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OM protein - protein search, using sw model

Run on: May 4, 2004, 07:12:50 ; Search time 42 Seconds
(without alignments)
65.998 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 117

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 75%
Maximum Match 100%
Listing first 250 summaries

Database : Published Applications AA:*

- 1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep.*
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- 15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep.*
- 16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep.*
- 17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep.*
- 18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query %		DB ID	Description
		Match	Length		
1	26	100.0	10	10	US-09-932-613-11
2	26	100.0	10	10	US-09-932-322-11
3	26	100.0	10	11	US-09-825-517A-3
4	26	100.0	10	11	US-09-825-517A-110
5	26	100.0	10	13	US-10-046-922-33
6	26	100.0	10	14	US-10-094-401-133
7	26	100.0	10	15	US-10-396-073-21
8	26	100.0	10	15	US-10-462-262-101
9	26	100.0	14	9	US-09-757-908A-21
10	26	100.0	14	14	US-10-098-093-30
11	26	100.0	14	14	US-10-151-204-21
12	26	100.0	15	9	US-09-781-077-4
13	26	100.0	16	10	US-09-932-613-4
14	26	100.0	16	10	US-09-932-613-18
15	26	100.0	16	10	US-09-932-322-4

16	100.0	26	16	10	US-09-932-322-18	Sequence 18, Appl
17	100.0	26	16	11	US-09-825-517A-1	Sequence 1, Appl
18	100.0	26	16	11	US-09-825-517A-13	Sequence 13, Appl
19	100.0	26	16	11	US-09-825-517A-111	Sequence 111, Appl
20	100.0	26	16	12	US-10-602-141-9	Sequence 9, Appl
21	100.0	26	16	14	US-10-094-401-22	Sequence 22, Appl
22	100.0	26	16	14	US-10-094-401-134	Sequence 134, Appl
23	100.0	26	16	14	US-10-094-401-238	Sequence 238, Appl
24	100.0	26	16	14	US-10-158-847-157	Sequence 157, Appl
25	100.0	26	16	14	US-10-158-825-157	Sequence 157, Appl
26	100.0	26	16	14	US-10-125-869A-12	Sequence 12, Appl
27	100.0	26	16	15	US-10-396-073-20	Sequence 20, Appl
28	100.0	26	16	15	US-10-396-073-31	Sequence 31, Appl
29	100.0	26	16	15	US-10-462-262-22	Sequence 22, Appl
30	100.0	26	16	15	US-10-462-262-102	Sequence 102, Appl
31	100.0	26	17	9	US-09-757-908A-19	Sequence 19, Appl
32	100.0	26	18	9	US-09-957-607-45	Sequence 45, Appl
33	100.0	26	19	9	US-09-938-315-35	Sequence 35, Appl
34	100.0	26	19	13	US-10-046-922-80	Sequence 80, Appl
35	100.0	26	19	14	US-10-161-791-35	Sequence 35, Appl
36	100.0	26	20	10	US-09-858-935B-63	Sequence 63, Appl
37	100.0	26	20	12	US-10-271-869-63	Sequence 63, Appl
38	100.0	26	20	14	US-10-094-401-135	Sequence 135, Appl
39	100.0	26	20	14	US-10-098-093-23	Sequence 23, Appl
40	100.0	26	20	15	US-10-094-749-3381	Sequence 3381, Ap
41	100.0	26	20	15	US-10-462-262-103	Sequence 103, Appl
42	100.0	26	23	9	US-09-969-192-5	Sequence 5, Appl
43	100.0	26	25	12	US-10-423-543-119	Sequence 119, Appl
44	100.0	26	28	9	US-09-938-315-36	Sequence 36, Appl
45	100.0	26	28	14	US-10-161-791-36	Sequence 36, Appl
46	100.0	26	28	9	US-09-919-603-13	Sequence 13, Appl
47	100.0	26	35	14	US-10-133-128-199	Sequence 199, Appl
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49	100.0	26	35	14	US-10-289-660-199	Sequence 199, Appl
50	100.0	26	35	14	US-10-174-151-5	Sequence 5, Appl
51	100.0	26	35	16	US-10-204-145-5	Sequence 5, Appl
52	100.0	26	36	9	US-09-903-248-1	Sequence 1, Appl
53	100.0	26	36	9	US-09-859-604-1	Sequence 1, Appl
54	100.0	26	36	9	US-09-903-063-1	Sequence 1, Appl
55	100.0	26	36	9	US-09-903-216-1	Sequence 1, Appl
56	100.0	26	36	9	US-09-903-199-1	Sequence 1, Appl
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59	100.0	26	36	14	US-10-138-158-8	Sequence 8, Appl
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64	100.0	26	37	14	US-10-231-778-121	Sequence 121, Appl
65	100.0	26	37	14	US-10-231-778-125	Sequence 125, Appl
66	100.0	26	37	14	US-10-231-778-131	Sequence 131, Appl
67	100.0	26	37	14	US-10-386-055-41	Sequence 41, Appl
68	100.0	26	37	15	US-10-406-073-12	Sequence 12, Appl
69	100.0	26	38	14	US-10-231-778-119	Sequence 119, Appl
70	100.0	26	38	14	US-10-231-778-122	Sequence 122, Appl
71	100.0	26	38	14	US-10-231-778-126	Sequence 126, Appl
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75	100.0	26	39	14	US-10-231-778-129	Sequence 129, Appl
76	100.0	26	40	14	US-10-231-778-128	Sequence 128, Appl
77	100.0	26	41	12	US-10-660-968-4	Sequence 4, Appl
78	100.0	26	43	9	US-09-740-638-8	Sequence 8, Appl
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83	100.0	26	44	14	US-10-235-148-9	Sequence 9, Appl
84	100.0	26	44	14	US-10-180-247-15	Sequence 15, Appl
85	100.0	26	51	9	US-09-754-589-7	Sequence 7, Appl
86	100.0	26	51	9	US-09-750-964-4	Sequence 4, Appl
87	100.0	26	51	9	US-09-740-510-5	Sequence 5, Appl
88	100.0	26	51	13	US-10-021-963-3	Sequence 3, Appl

Sequence 5, Appli
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127 13 US-10-011-859-23
271 13 US-10-153-273-14
311 13 US-10-153-273-21
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ALIGNMENTS

RESULT 1
US-09-932-613-11
; Sequence 11, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: BLYS binding polypeptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Glu
; OTHER INFORMATION: r Pro);
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
; NAME/KEY: MISC_FEATURE

; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-613-11

Query Match 100.0%; Score 26; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 2

US-09-932-322-11
; Sequence 11, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLYS
; FILE REFERENCE: DYX-018.1 PCT; DYX-018.1 US
; CURRENT APPLICATION NUMBER: US/09/932,322
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: BLYS binding polypeptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Gl
; OTHER INFORMATION: r Pro);
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-322-11

Query Match 100.0%; Score 26; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10

Db 1 CXXXXXXXXC 10

RESULT 3

US-09-825-517A-3
; Sequence 3, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; PRIOR FILING DATE: 2003-03-24
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding loop
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa is Asn, Glu or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is Gln, Gly or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Ala, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10

RESULT 4

US-09-825-517A-110
; Sequence 110, Application US/09825517A
; Publication No. US20030203415A1

; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; PRIOR FILING DATE: 2003-03-24
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 110
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic 16-mer microprotein analogue
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: X is Asn, Glu, Asp or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, Asn, Ser,
; OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln
; OTHER INFORMATION: or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
; OTHER INFORMATION: Trp, His, Arg, Met, Val or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: X is Gln, Lys, Leu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: X is Tyr, Trp or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
; OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu

US-09-825-517A-110

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10

RESULT 5

US-10-046-922-33
; Sequence 33, Application US/10046922
; Publication No. US20020164667A1
; GENERAL INFORMATION:
; APPLICANT: Alitalo, Kari
; APPLICANT: Koivunen, Erkki
; APPLICANT: Kubo, Hajime

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; TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
; FILE REFERENCE: 28967/37084A
; CURRENT APPLICATION NUMBER: US/10/046,922
; CURRENT FILING DATE: 2002-01-15
; NUMBER OF SEQ ID NOS: 80
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 33
; LENGTH: 10
; TYPE: PRT
; ORGANISM: isolated peptide
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X is glycine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X is tyrosine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X is tryptophan or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X is leucine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X is threonine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X is isoleucine or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X is tryptophan or a conservative substitution
; NAME/KEY: SITE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X is glycine or a conservative substitution
; US-10-046-922-33

Query Match 100.0%; Score 26; DB 13; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
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Db 1 CXXXXXXXXC 10

RESULT 6
US-10-094-401-133
; Sequence 133, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; CURRENT FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 133
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: albumin binding peptide
; NAME/KEY: MISC FEATURE
; LOCATION: (2)..(2)
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; OTHER INFORMATION: Gln, Glu, Phe, or Met
; NAME/KEY: MISC FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Asp, Pro, or Thr
; NAME/KEY: MISC FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: Ile, Ser, or Trp
; NAME/KEY: MISC FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: His, Met, Phe or Pro
; NAME/KEY: MISC FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: Asn, Leu, or Thr
; NAME/KEY: MISC FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: Arg, Asn, His, or Thr
; NAME/KEY: MISC FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: Arg, Met, Phe, or Tyr
; NAME/KEY: MISC FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: Asp, Gly, Phe, or Trp
; US-10-094-401-133

Query Match 100.0%; Score 26; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
   |||||
Db 1 CXXXXXXXXC 10

RESULT 7
US-10-396-073-21
; Sequence 21, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
; APPLICANT: Wescott, Charles R.
; APPLICANT: Sato, Aaron K.
; TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
; FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
; CURRENT APPLICATION NUMBER: US/10/396,073
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/367,645
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 21
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: fibrinogen binding polypeptide
; NAME/KEY: MISC FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asn, Met, or Ser
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is Ala or Ser
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Arg, Asn, or Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Pro, Thr, or Trp
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (6)..(6)
```

```
;
; OTHER INFORMATION: X6 is Ile, Met, or Tyr
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ala, His, or Ser
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Leu, Pro, or Tyr
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Trp or Tyr
US-10-396-073-21
```

```
Query Match 100.0%; Score 26; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

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QY 1 CXXXXXXXXXC 10
    |||||
Db 1 CXXXXXXXXXC 10
```

RESULT 8

```
US-10-462-262-101
; Sequence 101, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Dawson, Bruce M.
; TITLE OF INVENTION: PROTEIN ANALYSIS
; FILE REFERENCE: 10280-052001
; CURRENT APPLICATION NUMBER: US/10/462,262
; PRIOR FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: US 60/388,642
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: example of serum albumin-binding agents
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa = Asp, Pro, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa = Ile, Ser, or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa = His, Met, Phe or Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa = Asn, Leu, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(0)
; OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(0)
; OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
```

```
;
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(0)
; OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
US-10-462-262-101
```

```
Query Match 100.0%; Score 26; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 CXXXXXXXXXC 10
    |||||
Db 1 CXXXXXXXXXC 10
```

RESULT 9

```
US-09-757-908A-21
; Sequence 21, Application US/09757908A
; Patent No. US20020052468A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; TITLE OF INVENTION: Disulfide Core Polypeptides
; FILE REFERENCE: 98-13D1
; CURRENT APPLICATION NUMBER: US/09/757,908A
; CURRENT FILING DATE: 2001-01-10
; PRIOR APPLICATION NUMBER: US 09/326,039
; PRIOR FILING DATE: 1999-06-04
; PRIOR APPLICATION NUMBER: US 60/088,136
; PRIOR FILING DATE: 1998-06-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: Xaa is any amino acid residue except for cysteine
US-09-757-908A-21
```

```
Query Match 100.0%; Score 26; DB 9; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.39;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 CXXXXXXXXXC 10
    |||||
Db 1 CXXXXXXXXXC 10
```

RESULT 10

```
US-10-098-093-30
; Sequence 30, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
; APPLICANT: Deshayes, Kurt D.
; APPLICANT: Lowman, Henry B.
; APPLICANT: Schaffer, Michelle L.
; APPLICANT: Sidhu, Sachdev S.
; TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
; FILE REFERENCE: P1863R1
; CURRENT APPLICATION NUMBER: US/10/098,093
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/275,904
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 30
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; NAME/KEY: Xaa
```


LOCATION: 1-2, 4-11, 13-14
OTHER INFORMATION: Unknown amino acid
US-10-098-093-30

Query Match 100.0%; Score 26; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.39;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 3 CXXXXXXXXX 12

RESULT 11
US-10-151-204-21
Sequence 21, Application US/10151204
Publication No. US20030148263A1
GENERAL INFORMATION:
APPLICANT: Larocca, David
APPLICANT: Kassner, Paul
APPLICANT: Baird, Andrew
APPLICANT: Burg, Michael Alan
TITLE OF INVENTION: METHODS AND COMPOSITIONS USING
TITLE OF INVENTION: GENETIC PACKAGE DISPLAY
FILE REFERENCE: 760100.430C5
CURRENT APPLICATION NUMBER: US/10/151.204
CURRENT FILING DATE: 2002-05-17
NUMBER OF SEQ ID NOS: 22
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 21
LENGTH: 14
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: random peptides
NAME/KEY: VARIANT
LOCATION: 2, 3, 4, 5, 6, 7, 8, 9
OTHER INFORMATION: Xaa = Any Amino Acid
US-10-151-204-21

Query Match 100.0%; Score 26; DB 14; Length 14;
Best Local Similarity 100.0%; Pred. No. 0.39;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 1 CXXXXXXXXX 10

RESULT 12
US-09-781-077-4
Sequence 4, Application US/09781077
Patent No. US20020012967A1
GENERAL INFORMATION:
APPLICANT: Holloway, James L.
APPLICANT: Lock, Si
APPLICANT: Jaspers, Stephen R.
TITLE OF INVENTION: Insulin Homolog Polypeptide Zins4
FILE REFERENCE: 00-18
CURRENT APPLICATION NUMBER: US/09/781,077
CURRENT FILING DATE: 2001-02-09
PRIOR APPLICATION NUMBER: 60/188,544
PRIOR FILING DATE: 2000-03-10
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 15
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Motif
NAME/KEY: VARIANT

LOCATION: (3)...(5)
OTHER INFORMATION: Each Xaa is independently any amino acid residue
OTHER INFORMATION: except cysteine.
NAME/KEY: VARIANT
LOCATION: (4)...(14)
OTHER INFORMATION: Each Xaa is independently any amino acid residue
OTHER INFORMATION: except cysteine.
US-09-781-077-4

Query Match 100.0%; Score 26; DB 9; Length 15;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 6 CXXXXXXXXX 15

RESULT 13
US-09-932-613-4
Sequence 4, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Beltzer, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932.613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: BLYS binding polypeptide
NAME/KEY: MISC FEATURE
LOCATION: (1)...(1)
OTHER INFORMATION: X1 is Asn, Asp, His, Leu, Phe, Pro, Ser, Tyr, or is absent (pr
OTHER INFORMATION: rably Ser);
NAME/KEY: MISC FEATURE
LOCATION: (2)...(2)
OTHER INFORMATION: X2 is Arg, Asn, Asp, His, Phe, Ser, or Trp (preferably Arg);
NAME/KEY: MISC FEATURE
LOCATION: (3)...(3)
OTHER INFORMATION: X3 is Asn, Asp, Leu, Pro, Ser, or Val (preferably Asn or Asp);
NAME/KEY: MISC FEATURE
LOCATION: (5)...(5)
OTHER INFORMATION: X5 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
NAME/KEY: MISC FEATURE
LOCATION: (6)...(6)
OTHER INFORMATION: X6 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
NAME/KEY: MISC FEATURE
LOCATION: (7)...(7)
OTHER INFORMATION: X7 is Asp, His, Leu, or Ser (preferably Asp);
NAME/KEY: MISC FEATURE
LOCATION: (8)...(8)
OTHER INFORMATION: X8 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Gl
OTHER INFORMATION: r Pro);
NAME/KEY: MISC FEATURE
LOCATION: (9)...(9)
OTHER INFORMATION: X9 is Ala, Arg, Asn, or Leu (preferably Leu);
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X10 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
NAME/KEY: MISC FEATURE
LOCATION: (11)...(11)
OTHER INFORMATION: X11 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
NAME/KEY: MISC FEATURE

LOCATION: (12)..(12)
OTHER INFORMATION: X12 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
NAME/KEY: MISC FEATURE
LOCATION: (14)..(14)
OTHER INFORMATION: X14 is Asp, Gly, Leu, Phe, Tyr, or Val (preferably Leu);
NAME/KEY: MISC FEATURE
LOCATION: (15)..(15)
OTHER INFORMATION: X15 is Asn, His, Leu, Pro, or Tyr (preferably His, Leu or Pro);
NAME/KEY: MISC FEATURE
LOCATION: (16)..(16)
OTHER INFORMATION: X16 is Asn, Asp, His, Phe, Ser, or Tyr, (preferably Asp or Ser);
US-09-932-613-4

Query Match 100.0%; Score 26; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 14
US-09-932-613-18
Sequence 18, Application US/09932613
Publication No. US20030091565A1
GENERAL INFORMATION:
APPLICANT: Human Genome Sciences, Inc.
APPLICANT: Beltzer, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.
APPLICANT: Rosen, Craig A.
TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
FILE REFERENCE: Dyx-025.1 PCT; DYX-025.1 US
CURRENT APPLICATION NUMBER: US/09/932,613
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.1
SEQ ID NO 18
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: phage display library template
NAME/KEY: MISC FEATURE
LOCATION: (1)..(3)
OTHER INFORMATION: X is any amino acid except Cys
NAME/KEY: MISC FEATURE
LOCATION: (5)..(12)
OTHER INFORMATION: X is any amino acid except Cys
NAME/KEY: MISC FEATURE
LOCATION: (14)..(16)
OTHER INFORMATION: X is any amino acid except Cys
US-09-932-613-18

Query Match 100.0%; Score 26; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 15
US-09-932-322-4
Sequence 4, Application US/09932322
Publication No. US20030194743A1
GENERAL INFORMATION:
APPLICANT: Dyax Corp.
APPLICANT: Beltzer, James P.
APPLICANT: Potter, M. Daniel
APPLICANT: Fleming, Tony J.

APPLICANT: Ladner, Robert Charles
TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLY)
FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
CURRENT APPLICATION NUMBER: US/09/932,322
CURRENT FILING DATE: 2001-08-17
NUMBER OF SEQ ID NOS: 458
SOFTWARE: PatentIn version 3.1
SEQ ID NO 4
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: BLYS binding polypeptide
NAME/KEY: MISC FEATURE
LOCATION: (1)..(1)
OTHER INFORMATION: X1 is Asn, Asp, His, Leu, Phe, Pro, Ser, Tyr, or is absent (p);
OTHER INFORMATION: rably Ser);
NAME/KEY: MISC FEATURE
LOCATION: (2)..(2)
OTHER INFORMATION: X2 is Arg, Asn, Asp, His, Phe, Ser, or Trp (preferably Arg);
NAME/KEY: MISC FEATURE
LOCATION: (3)..(3)
OTHER INFORMATION: X3 is Asn, Asp, Leu, Pro, Ser, or Val (preferably Asn or Asp)
NAME/KEY: MISC FEATURE
LOCATION: (5)..(5)
OTHER INFORMATION: X5 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
NAME/KEY: MISC FEATURE
LOCATION: (6)..(6)
OTHER INFORMATION: X6 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
NAME/KEY: MISC FEATURE
LOCATION: (7)..(7)
OTHER INFORMATION: X7 is Asp, His, Leu, or Ser (preferably Asp);
NAME/KEY: MISC FEATURE
LOCATION: (8)..(8)
OTHER INFORMATION: X8 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably G);
NAME/KEY: MISC FEATURE
LOCATION: (9)..(9)
OTHER INFORMATION: X9 is Ala, Arg, Asn, or Leu (preferably Leu);
NAME/KEY: MISC FEATURE
LOCATION: (10)..(10)
OTHER INFORMATION: X10 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
NAME/KEY: MISC FEATURE
LOCATION: (11)..(11)
OTHER INFORMATION: X11 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
NAME/KEY: MISC FEATURE
LOCATION: (12)..(12)
OTHER INFORMATION: X12 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
NAME/KEY: MISC FEATURE
LOCATION: (14)..(14)
OTHER INFORMATION: X14 is Asp, Gly, Leu, Phe, Tyr, or Val (preferably Leu);
NAME/KEY: MISC FEATURE
LOCATION: (15)..(15)
OTHER INFORMATION: X15 is Asn, His, Leu, Pro, or Tyr (preferably His, Leu or Pro);
NAME/KEY: MISC FEATURE
LOCATION: (16)..(16)
OTHER INFORMATION: X16 is Asn, Asp, His, Phe, Ser, or Tyr, (preferably Asp or S);
US-09-932-322-4

Query Match 100.0%; Score 26; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 16
US-09-932-322-18
Sequence 18, Application US/09932322
Publication No. US20030194743A1
GENERAL INFORMATION:

```

; APPLICANT: Dyax Corp.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (BLYS)
; FILE REFERENCE: DYX-018.1 PCT; DYX-018.1 US
; CURRENT APPLICATION NUMBER: US/09/932,322
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 18
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: phage display library template
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(3)
; OTHER INFORMATION: X is any amino acid except Cys
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(12)
; OTHER INFORMATION: X is any amino acid except Cys
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(16)
; OTHER INFORMATION: X is any amino acid except Cys
; US-09-932-322-18

Query Match 100.0%; Score 26; DB 10; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 17
US-09-825-517A-1
; Sequence 1, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding polypeptide
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1
; OTHER INFORMATION: Xaa is Asn, Asp or is absent
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa is Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa is Asp, Phe or Val
; FEATURE:
; NAME/KEY: VARIANT

```

```

; LOCATION: 5
; OTHER INFORMATION: Xaa is Asn, Glu or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (10)...(10)
; OTHER INFORMATION: Xaa is Gln, Leu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is Ala, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is Asn, Gln, Phe, Ser or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is Arg, Leu, Pro or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Leu, Ser, Trp or Tyr
; US-09-825-517A-1

Query Match 100.0%; Score 26; DB 11; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 18
US-09-825-517A-13
; Sequence 13, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence

```



```
;
;
; OTHER INFORMATION: Parental domain for design of microprotein display
; OTHER INFORMATION: library
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(16)
; OTHER INFORMATION: amino acid positions 4 and 13 are invariant Cys;
; OTHER INFORMATION: all other positions Xaa are varied but not Cys, to
; OTHER INFORMATION: provide a library of 2.5x10(8) different peptides
; OTHER INFORMATION: based on the template sequence
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
; OTHER INFORMATION: Xaa = Any Amino Acid except Cys
US-09-825-517A-13

Query Match          100.0%; Score 26; DB 11; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      4 CXXXXXXXXC 13

RESULT 19
US-09-825-517A-111
; Sequence 111, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 111
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Synthetic 16-mer microprotein analogue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1
; OTHER INFORMATION: X is Asp, Asn, Ala or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: X is Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: X is Val, Ile, Met, Tyr, Phe, Pro or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: X is Asn, Glu, Asp or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile, or Asn
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, Asn, Ser,
; OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr
; FEATURE:
```

```
;
;
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln,
; OTHER INFORMATION: or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
; OTHER INFORMATION: Trp, His, Arg, Met, Val, or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (10)...(10)
; OTHER INFORMATION: X is Gln, Lys, Leu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: X is Trp, Tyr or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
; OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: X is Asn, Asp, Glu, Pro, Gln, Ser, Phe, or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: X is Val, Leu, Ile, Pro, Ala, Gln, Ser, Met, Glu,
; OTHER INFORMATION: Thr, Lys, Trp or Arg
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: X is Leu, Met, Val, Tyr, Ala, Ile, Trp, His, Pro,
; OTHER INFORMATION: Gln, Glu, Phe, Lys, Arg or Ser
US-09-825-517A-111

Query Match          100.0%; Score 26; DB 11; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      4 CXXXXXXXXC 13

RESULT 20
US-10-602-141-9
; Sequence 9, Application US/10602141
; Publication No. US20040071705A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Edge, Albert
; TITLE OF INVENTION: SERUM PROTEIN-ASSOCIATED TARGET-SPECIFIC
; TITLE OF INVENTION: LIGANDS AND IDENTIFICATION METHOD THEREFOR
; FILE REFERENCE: 10280-058001
; CURRENT APPLICATION NUMBER: US/10/602,141
; CURRENT FILING DATE: 2003-06-23
; PRIOR APPLICATION NUMBER: US 60/390,657
; PRIOR FILING DATE: 2002-06-21
; NUMBER OF SEQ ID NOS: 11
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 9
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: template sequence
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1-3, 5-12, 14-16
; OTHER INFORMATION: Xaa = any amino acid except cysteine (Cys)
```

US-10-602-141-9

Query Match 100.0%; Score 26; DB 12; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
Db 4 CXXXXXXC 13

RESULT 21

US-10-094-401-22
; Sequence 22, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; PRIOR FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 22
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: variegated display library template
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(2)
; OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, and Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Pro, Arg, Ser, Val, Trp,
; OTHER INFORMATION: and Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(12)
; OTHER INFORMATION: any amino acid except Cys
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(14)
; OTHER INFORMATION: and Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (15)..(16)
; OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, and Tyr
US-10-094-401-22

Query Match 100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
Db 4 CXXXXXXC 13

RESULT 22

US-10-094-401-134
; Sequence 134, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.

; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; CURRENT FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 134
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: albumin binding peptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(1)
; OTHER INFORMATION: Arg, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: Arg, Leu, Ser, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Asn, Asp, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: Glu, Phe, or Met
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: Asp, Pro, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: Ile, Ser, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: His, Met, Phe or Pro
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: Asn, Leu, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (10)..(10)
; OTHER INFORMATION: Arg, Asn, His, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (11)..(11)
; OTHER INFORMATION: Met, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)..(12)
; OTHER INFORMATION: Asp, Gly, Phe, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(14)
; OTHER INFORMATION: Ala, Asn, or Asp
; NAME/KEY: MISC_FEATURE
; LOCATION: (15)..(15)
; OTHER INFORMATION: Arg, Phe, Pro, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (16)..(16)
; OTHER INFORMATION: Arg, His, Phe, or Ser
US-10-094-401-134

Query Match 100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
Db 4 CXXXXXXC 13

RESULT 23

US-10-094-401-238
; Sequence 238, Application US/10094401
; Publication No. US20030069395A1

```

; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; CURRENT FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 238
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: variegated display library template
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(2)
; OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Ala, Asp, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Val, Trp,
; OTHER INFORMATION: or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(12)
; OTHER INFORMATION: any amino acid except Cys
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(14)
; OTHER INFORMATION: Ala, Asp, Phe, Gly, His, Leu, Asn, Pro, Gln, Arg, Ser, Val, Trp,
; OTHER INFORMATION: or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (15)..(16)
; OTHER INFORMATION: Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp, or Tyr
;
US-10-094-401-238

Query Match          100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXXC 13

RESULT 24
US-10-847-157
; Sequence 157, Application US/10158847
; Publication No. US20030091557A1
; GENERAL INFORMATION:
; APPLICANT: Tom Parry et al.
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
; FILE REFERENCE: PF557
; CURRENT APPLICATION NUMBER: US/10/158,847
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/295,004
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
; LENGTH: 16
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(3)
; OTHER INFORMATION: X equals any amino acid
;
US-10-158-847-157

Query Match          100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXXC 13

RESULT 25
US-10-158-825-157
; Sequence 157, Application US/10158825
; Publication No. US2003013894A1
; GENERAL INFORMATION:
; APPLICANT: Tom Parry et al.
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
; FILE REFERENCE: PF555
; CURRENT APPLICATION NUMBER: US/10/158,825
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/294,976
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
; LENGTH: 16
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(3)
; OTHER INFORMATION: X equals any amino acid
;
US-10-158-825-157

Query Match          100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXXC 13

RESULT 26
US-10-125-869A-12
; Sequence 12, Application US/10125869A
; Publication No. US20030199671A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Isaac Jesus
; APPLICANT: Wu, Qi-Long
; APPLICANT: Ley, Arthur C.
; APPLICANT: Stochl, Mark
; APPLICANT: Ranschoff, Thomas C.
; APPLICANT: Potter, M. Daniel (deceased)
; TITLE OF INVENTION: BINDING MOLECULES FOR Fc-REGION
; TITLE OF INVENTION: POLYPEPTIDES
; FILE REFERENCE: 3421.1006-001
; CURRENT APPLICATION NUMBER: US/10/125,869A
;
US-10-125-869A-12
```

```

; LOCATION: (5)..(12)
; OTHER INFORMATION: X equals any amino acid
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(16)
; OTHER INFORMATION: X equals any amino acid
;
US-10-158-847-157

Query Match          100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXXC 13

RESULT 25
US-10-158-825-157
; Sequence 157, Application US/10158825
; Publication No. US2003013894A1
; GENERAL INFORMATION:
; APPLICANT: Tom Parry et al.
; TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
; FILE REFERENCE: PF555
; CURRENT APPLICATION NUMBER: US/10/158,825
; CURRENT FILING DATE: 2002-06-03
; PRIOR APPLICATION NUMBER: 60/294,976
; PRIOR FILING DATE: 2001-06-04
; NUMBER OF SEQ ID NOS: 158
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 157
; LENGTH: 16
; TYPE: PRT
; ORGANISM: homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(3)
; OTHER INFORMATION: X equals any amino acid
;
US-10-158-825-157

Query Match          100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXXC 13

RESULT 26
US-10-125-869A-12
; Sequence 12, Application US/10125869A
; Publication No. US20030199671A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Isaac Jesus
; APPLICANT: Wu, Qi-Long
; APPLICANT: Ley, Arthur C.
; APPLICANT: Stochl, Mark
; APPLICANT: Ranschoff, Thomas C.
; APPLICANT: Potter, M. Daniel (deceased)
; TITLE OF INVENTION: BINDING MOLECULES FOR Fc-REGION
; TITLE OF INVENTION: POLYPEPTIDES
; FILE REFERENCE: 3421.1006-001
; CURRENT APPLICATION NUMBER: US/10/125,869A
;
US-10-125-869A-12
```



```
; CURRENT FILING DATE: 2002-11-19
; PRIOR APPLICATION NUMBER: 60/284,534
; PRIOR FILING DATE: 2001-04-18
; NUMBER OF SEQ ID NOS: 200
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 16
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: variegation template for phage display library
; NAME/KEY: VARIANT
; LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
; OTHER INFORMATION: Xaa = Any Amino Acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
; OTHER INFORMATION: Xaa = Any Amino Acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1, 2, 3, 5, 6, 7, 8, 9, 10, 11, 12, 14, 15, 16
; OTHER INFORMATION: Xaa = Any Amino Acid
; US-10-125-869A-12

Query Match      100.0%; Score 26; DB 14; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXC 13

RESULT 27
US-10-396-073-20
; Sequence 20, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
; APPLICANT: Wescott, Charles R.
; APPLICANT: Sato, Aaron K.
; TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
; FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
; CURRENT APPLICATION NUMBER: US/10/396,073
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/367,645
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 20
; LENGTH: 16
; TYPE: PRT
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: fibrinogen binding polypeptide
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(1)
; OTHER INFORMATION: X1 is His, Leu, or Phe
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Trp, or Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is Leu or Tyr, preferably Leu
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Asn, Met, or Ser
; FEATURE:
; NAME/KEY: MISC FEATURE
```

```
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala or Ser
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Arg, Asn, or Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Pro, Thr, or Trp
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ile, Met, or Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (10)..(10)
; OTHER INFORMATION: X10 is Ala, His, or Ser
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (11)..(11)
; OTHER INFORMATION: X11 is Leu, Pro, or Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (12)..(12)
; OTHER INFORMATION: X12 is Trp or Tyr, preferably Tyr
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (14)..(14)
; OTHER INFORMATION: X14 is Asn, His, or Val
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (15)..(15)
; OTHER INFORMATION: X15 is Asp, Phe, or Pro
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (16)..(16)
; OTHER INFORMATION: X16 is Asn, Phe, or Ser
; US-10-396-073-20

Query Match      100.0%; Score 26; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
        |||||
Db       4 CXXXXXXXXC 13

RESULT 28
US-10-396-073-31
; Sequence 31, Application US/10396073
; Publication No. US20030207330A1
; GENERAL INFORMATION:
; APPLICANT: Wescott, Charles R.
; APPLICANT: Sato, Aaron K.
; TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
; FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
; CURRENT APPLICATION NUMBER: US/10/396,073
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/367,645
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 31
; LENGTH: 16
; TYPE: PRT
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: 10-member cyclic peptide display template
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(2)
```

OTHER INFORMATION: X1 and X2 are D, F, H, L, N, P, R, S, W, or Y
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (3)...(3)
OTHER INFORMATION: X3 is A, D, F, G, H, L, N, P, Q, R, S, V, W, or Y
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (5)...(12)
OTHER INFORMATION: X5, X6, X7, X8, X9, X10, X11 and X12 are any amino acid except
OTHER INFORMATION: Cys
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (14)...(14)
OTHER INFORMATION: X14 is A, D, F, G, H, L, N, P, Q, R, S, V, W, or Y
FEATURE:
NAME/KEY: MISC FEATURE
LOCATION: (15)...(16)
OTHER INFORMATION: X15 and X16 are D, F, H, L, N, P, R, S, W, or Y
US-10-396-073-31

Query Match 100.0%; Score 26; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXC 10
Db 4 CXXXXXXXC 13

RESULT 29

US-10-462-262-22
Sequence 22, Application US/10462262
Publication No. US20040009534A1
GENERAL INFORMATION:
APPLICANT: Sato, Aaron K.
TITLE OF INVENTION: PROTEIN ANALYSIS
FILE REFERENCE: 10280-052001
CURRENT APPLICATION NUMBER: US/10/462,262
CURRENT FILING DATE: 2003-06-16
PRIOR APPLICATION NUMBER: US 60/388,642
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 430
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 22
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: template sequence
FEATURE:
NAME/KEY: VARIANT
LOCATION: 1, 2, 15, 16
OTHER INFORMATION: Xaa = Asp, Phe, His, Leu, Asn, Pro, Arg, Ser, Trp,
OTHER INFORMATION: and Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: 3, 14
OTHER INFORMATION: Xaa = Ala, Asp, Glu, Phe, Gly, His, Leu, Asn, Pro,
OTHER INFORMATION: Arg, Ser, Val, Trp, and Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: 5-12
OTHER INFORMATION: Xaa = any common alfa-amino acids, except cysteine
US-10-462-262-22

Query Match 100.0%; Score 26; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXC 10
Db 4 CXXXXXXXC 13

RESULT 30
US-10-462-262-102
Sequence 102, Application US/10462262
Publication No. US20040009534A1
GENERAL INFORMATION:
APPLICANT: Sato, Aaron K.
APPLICANT: Dawson, Bruce M.
TITLE OF INVENTION: PROTEIN ANALYSIS
FILE REFERENCE: 10280-052001
CURRENT APPLICATION NUMBER: US/10/462,262
CURRENT FILING DATE: 2003-06-16
PRIOR APPLICATION NUMBER: US 60/388,642
PRIOR FILING DATE: 2002-06-14
NUMBER OF SEQ ID NOS: 430
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 102
LENGTH: 16
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: example of serum albumin-binding agents
FEATURE:
NAME/KEY: VARIANT
LOCATION: 1
OTHER INFORMATION: Xaa = Arg, Phe, or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: 2
OTHER INFORMATION: Xaa = Arg, Leu, Ser, or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: 3
OTHER INFORMATION: Xaa = Asn, Asp, Phe, or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: 5
OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: 6
OTHER INFORMATION: Xaa = Asp, Pro, or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (7)...(0)
OTHER INFORMATION: Xaa = Ile, Ser, or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (8)...(0)
OTHER INFORMATION: Xaa = His, Met, Phe or Pro
FEATURE:
NAME/KEY: VARIANT
LOCATION: (9)...(0)
OTHER INFORMATION: Xaa = Asn, Leu, or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (10)...(0)
OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (11)...(0)
OTHER INFORMATION: Xaa = Arg, Met, Phe or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (12)...(0)
OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (14)...(0)
OTHER INFORMATION: Xaa = Ala, Asn, or Asp
FEATURE:
NAME/KEY: VARIANT

LOCATION: (15)...(0)
OTHER INFORMATION: Xaa = Arg, Phe, Pro, or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (16)...(0)
OTHER INFORMATION: Xaa = Arg, His, Phe, or Ser
US-10-462-262-102

Query Match 100.0%; Score 26; DB 15; Length 16;
Best Local Similarity 100.0%; Pred. No. 0.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | | | | |
Db 4 CXXXXXXXC 13

RESULT 31

US-09-757-908A-19
Sequence 19, Application US/09757908A
Patent No. US20020052468A1
GENERAL INFORMATION:
APPLICANT: Conklin, Darrell
TITLE OF INVENTION: Disulfide Core Polypeptides
FILE REFERENCE: 98-13D1
CURRENT APPLICATION NUMBER: US/09/757,908A
CURRENT FILING DATE: 2001-01-10
PRIOR APPLICATION NUMBER: US 09/326,039
PRIOR FILING DATE: 1999-06-04
PRIOR APPLICATION NUMBER: US 60/088,136
PRIOR FILING DATE: 1998-06-04
NUMBER OF SEQ ID NOS: 23
SOFTWARE: FastSEQ for Windows Version 3.0
SEQ ID NO 19
LENGTH: 17
TYPE: PRT
ORGANISM: Homo sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: (0)...(0)
OTHER INFORMATION: Xaa is any amino acid residue except for cysteine
US-09-757-908A-19

Query Match 100.0%; Score 26; DB 9; Length 17;
Best Local Similarity 100.0%; Pred. No. 0.41;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | | | | |
Db 8 CXXXXXXXC 17

RESULT 32

US-09-957-607-45
Sequence 45, Application US/09957607
Patent No. US20020076728A1
GENERAL INFORMATION:
APPLICANT: MacLennan, John M.
APPLICANT: Ladner, Robert C.
TITLE OF INVENTION: Engineering Affinity Ligands for Macromolecules
FILE REFERENCE: DYX-001.1 US-1
CURRENT APPLICATION NUMBER: US/09/957,607
CURRENT FILING DATE: 2001-09-19
PRIOR APPLICATION NUMBER: 08/821,498
PRIOR FILING DATE: 1997-03-21
PRIOR APPLICATION NUMBER: 08/619,885
PRIOR FILING DATE: 1996-03-20
NUMBER OF SEQ ID NOS: 48
SOFTWARE: PatentIn version 3.1
SEQ ID NO 45
LENGTH: 18
TYPE: PRT
ORGANISM: Artificial Sequence

FEATURE:
OTHER INFORMATION: amino acid sequence of TN10/V library
NAME/KEY: MISC FEATURE
LOCATION: (5)...(5)
OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
NAME/KEY: MISC FEATURE
LOCATION: (9)...(9)
OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
NAME/KEY: MISC FEATURE
LOCATION: (16)...(16)
OTHER INFORMATION: X is D,F,H,I,L,N,V or Y
NAME/KEY: MISC FEATURE
LOCATION: (7)...(7)
OTHER INFORMATION: X is A,D,G,H,L,P,R, or V
NAME/KEY: MISC FEATURE
LOCATION: (14)...(14)
OTHER INFORMATION: X is A,D,G,H,L,P,R, or V
NAME/KEY: MISC FEATURE
LOCATION: (8)...(8)
OTHER INFORMATION: X is A,E,G,L,P,Q,R, or V
NAME/KEY: MISC FEATURE
LOCATION: (11)...(12)
OTHER INFORMATION: X is A,E,G,L,P,Q,R, or V
NAME/KEY: MISC FEATURE
LOCATION: (10)...(10)
OTHER INFORMATION: X is F,I,K,L,M,N or Y
NAME/KEY: MISC FEATURE
LOCATION: (13)...(13)
OTHER INFORMATION: X is I,K,M,N,R,S, or T
US-09-957-607-45

Query Match 100.0%; Score 26; DB 9; Length 18;
Best Local Similarity 100.0%; Pred. No. 0.42;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | | | | |
Db 6 CXXXXXXXC 15

RESULT 33

US-09-938-315-35
Sequence 35, Application US/09938315
Patent No. US20020091085A1
GENERAL INFORMATION:
APPLICANT: KAY, BRIAN K.
SPARKS, ANDREW B.
THORN, JUDITH M.
QUILLIAM, LAWRENCE A.
DER, CHANNING J.
TITLE OF INVENTION: SRC SH3 BINDING PEPTIDES AND METHODS OF
ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938,315
FILING DATE: 23-Aug-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Villacorta, Gilberto M.
REGISTRATION NUMBER: 34,038

REFERENCE/DOCKET NUMBER: 4980-007-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 24855 OPAT UR
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
SEQUENCE DESCRIPTION: SEQ ID NO: 35:
US-09-938-315-35

Query Match 100.0%; Score 26; DB 9; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.42;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 3 CXXXXXXXXXC 12

RESULT 34

US-10-046-922-80
Sequence 80, Application US/10046922
Publication No. US20020164667A1
GENERAL INFORMATION:
APPLICANT: Alitalo, Kari
APPLICANT: Koivunen, Erkki
APPLICANT: Kubo, Hajime
TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS
FILE REFERENCE: 28967/37084A
CURRENT APPLICATION NUMBER: US/10/046,922
CURRENT FILING DATE: 2002-01-15
NUMBER OF SEQ ID NOS: 80
SOFTWARE: PatentIn version 3.0
SEQ ID NO 80
LENGTH: 19
TYPE: PRT
ORGANISM: peptide
FEATURE:
NAME/KEY: SITE
LOCATION: (2)..(8)
OTHER INFORMATION: X is any amino acid
NAME/KEY: SITE
LOCATION: (11)..(18)
OTHER INFORMATION: X is any amino acid
US-10-046-922-80

Query Match 100.0%; Score 26; DB 13; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.42;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 10 CXXXXXXXXXC 19

RESULT 35

US-10-161-791-35
Sequence 35, Application US/10161791
Publication No. US20030186863A1
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAY, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: QUILLIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOWLKES, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF

TITLE OF INVENTION: ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/161,791
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/602,999
FILING DATE: 16-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-10-161-791-35

Query Match 100.0%; Score 26; DB 14; Length 19;
Best Local Similarity 100.0%; Pred. No. 0.42;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 3 CXXXXXXXXXC 12

RESULT 36

US-09-858-935B-63
Sequence 63, Application US/09858935B
Publication No. US20030069177A1
GENERAL INFORMATION:
APPLICANT: Dubaquitte, Yves
APPLICANT: Filvaroff, Ellen
APPLICANT: Lowman, Henry B.
TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
FILE REFERENCE: P1794R1
CURRENT APPLICATION NUMBER: US/09/858,935B
CURRENT FILING DATE: 2002-07-02
PRIOR APPLICATION NUMBER: US 60/248,985
PRIOR FILING DATE: 2000-11-15
PRIOR APPLICATION NUMBER: US 60/204,490
PRIOR FILING DATE: 2000-05-16
NUMBER OF SEQ ID NOS: 153
SEQ ID NO 63
LENGTH: 20
TYPE: PRT
ORGANISM: Artificial sequence
FEATURE:
OTHER INFORMATION: Sequence is synthesized
NAME/KEY: Xaa
LOCATION: 1-5, 7-14, 16-20

```

; OTHER INFORMATION: Unknown amino acid
US-09-858-935B-63

Query Match      100.0%; Score 26; DB 10; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXC 10
Db      6 CXXXXXXC 15

RESULT 37
US-10-271-869-63
; Sequence 63, Application US/10271869
; Publication No. US20030211992A1
; GENERAL INFORMATION:
; APPLICANT: Dubaquié, Yves
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Lowman, Henry B.
; TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
; FILE REFERENCE: P1794R1
; CURRENT APPLICATION NUMBER: US/10/271,869
; PRIOR FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/858,935
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US 60/248,985
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/204,490
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 63
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; NAME/KEY: Xaa
; LOCATION: 1-5, 7-14, 16-20
; OTHER INFORMATION: Unknown amino acid
US-10-271-869-63

Query Match      100.0%; Score 26; DB 12; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXC 10
Db      6 CXXXXXXC 15

RESULT 38
US-10-094-401-135
; Sequence 135, Application US/10094401
; Publication No. US20030069395A1
; GENERAL INFORMATION:
; APPLICANT: DYAX CORP.
; APPLICANT: Sato, Aaron K.
; APPLICANT: Ley, Arthur C.
; APPLICANT: Cohen, Edward H.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES
; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US
; CURRENT APPLICATION NUMBER: US/10/094,401
; CURRENT FILING DATE: 2002-03-08
; PRIOR APPLICATION NUMBER: 60/331,352
; PRIOR FILING DATE: 2001-03-09
; PRIOR APPLICATION NUMBER: 60/292,975
; PRIOR FILING DATE: 2001-05-23
; NUMBER OF SEQ ID NOS: 271
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 135
; LENGTH: 20

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: albumin binding peptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: Arg, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: Arg, Leu, Ser, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: Asn, Asp, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: Gln, Glu, Phe, or Met
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: Asp, Pro, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: Ile, Ser, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (10)..(10)
; OTHER INFORMATION: His, Met, Phe or Pro
; NAME/KEY: MISC_FEATURE
; LOCATION: (11)..(11)
; OTHER INFORMATION: Asn, Leu, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)..(12)
; OTHER INFORMATION: Arg, Asn, His, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (13)..(13)
; OTHER INFORMATION: Arg, Met, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (14)..(14)
; OTHER INFORMATION: Asp, Gly, Phe, or Trp
; NAME/KEY: MISC_FEATURE
; LOCATION: (16)..(16)
; OTHER INFORMATION: Ala, Asn, or Asp
; NAME/KEY: MISC_FEATURE
; LOCATION: (17)..(17)
; OTHER INFORMATION: Arg, Phe, Pro, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (18)..(18)
; OTHER INFORMATION: Arg, His, Phe, or Ser
US-10-094-401-135

Query Match      100.0%; Score 26; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXC 10
Db      6 CXXXXXXC 15

RESULT 39
US-10-098-093-23
; Sequence 23, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
; APPLICANT: Deshayes, Kurt D.
; APPLICANT: Lowman, Henry B.
; APPLICANT: Schaffer, Michelle L.
; APPLICANT: Sidhu, Sachdev S.
; TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
; FILE REFERENCE: P1863R1
; CURRENT APPLICATION NUMBER: US/10/098,093
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/275,904
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 122
```

```
; SEQ ID NO 23
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; NAME/KEY: Xaa
; LOCATION: 1-5, 7-14, 16-20
; OTHER INFORMATION: Sequence is synthesized
;
; US-10-098-093-23
```

```
Query Match      100.0%; Score 26; DB 14; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 CXXXXXXXXX 10
         |||||
Db      6 CXXXXXXXXX 15
```

RESULT 40

```
US-10-094-749-3381
; Sequence 3381, Application US/10094749
; Publication No. US20030219741A1
; GENERAL INFORMATION:
; APPLICANT: ISOGAI, TAKAO
; APPLICANT: SUGIYAMA, TOMOYASU
; APPLICANT: OTSUKI, TETSUJI
; APPLICANT: WAKAMATSU, AI
; APPLICANT: SATO, HIROYUKI
; APPLICANT: ISHII, SHIZUKO
; APPLICANT: YAMAMOTO, JUN-ICHI
; APPLICANT: ISONO, YUUKO
; APPLICANT: HIO, YURI
; APPLICANT: OTSUKA, KAORU
; APPLICANT: NAGAI, KEIICHI
; APPLICANT: IRIE, RYOTARO
; APPLICANT: TAMECHIKA, ICHIRO
; APPLICANT: SEKI, NACHIKO
; APPLICANT: YOSHIKAWA, TSUTOMU
; APPLICANT: OTSUKA, MOTOYUKI
; APPLICANT: NAGAHARI, KENJI
; APPLICANT: MASUHO, YASUHIKO
; TITLE OF INVENTION: NOVEL FULL-LENGTH CDNA
; FILE REFERENCE: 084335/0160
; CURRENT APPLICATION NUMBER: US/10/094,749
; PRIOR FILING DATE: 2002-03-12
; PRIOR APPLICATION NUMBER: 60/350,435
; PRIOR FILING DATE: 2002-01-24
; PRIOR APPLICATION NUMBER: JP 2001-328381
; PRIOR FILING DATE: 2001-09-14
; NUMBER OF SEQ ID NOS: 3381
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 3381
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Illustrative
; OTHER INFORMATION: zinc finger peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)..(9)
; OTHER INFORMATION: Variable amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (11)..(15)
; OTHER INFORMATION: Variable amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (17)..(19)
; OTHER INFORMATION: Variable amino acid
;
; US-10-094-749-3381
```

```
Query Match      100.0%; Score 26; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy      1 CXXXXXXXXX 10
         |||||
Db      1 CXXXXXXXXX 10
```

RESULT 41

```
US-10-462-262-103
; Sequence 103, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Dawson, Bruce M.
; TITLE OF INVENTION: PROTEIN ANALYSIS
; FILE REFERENCE: 10280-052001
; CURRENT APPLICATION NUMBER: US/10/462,262
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: US 60/388,642
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 103
; LENGTH: 20
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: example of serum albumin-binding agents
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa = Arg, Phe, or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa = Arg, Leu, Ser, or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa = Asn, Asp, Phe, or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 7
; OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 8
; OTHER INFORMATION: Xaa = Asp, Pro, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(0)
; OTHER INFORMATION: Xaa = Ile, Ser, or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (10)...(0)
; OTHER INFORMATION: Xaa = His, Met, Phe or Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(0)
; OTHER INFORMATION: Xaa = Asn, Leu, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(0)
; OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(0)
; OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
; FEATURE:
; NAME/KEY: VARIANT
```

LOCATION: (14)...(0)
OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (16)...(0)
OTHER INFORMATION: Xaa = Ala, Asn, or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (17)...(0)
OTHER INFORMATION: Xaa = Arg, Phe, Pro, or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (18)...(0)
OTHER INFORMATION: Xaa = Arg, His, Phe, or Ser
US-10-462-262-103

Query Match 100.0%; Score 26; DB 15; Length 20;
Best Local Similarity 100.0%; Pred. No. 0.43;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXX 10
Db 6 CXXXXXXXXX 15

RESULT 42

US-09-969-192-5
Sequence 5, Application US/09969192
Patent No. US20020151027A1
GENERAL INFORMATION:
APPLICANT: WICKHAM, THOMAS J.
ROELVINK, PETRUS W.
KOVESDI, IMRE
TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
CONSTRAINED PEPTIDE MOTIFS
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza - 49th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/969,192
FILING DATE: 01-Oct-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 9-455061
FILING DATE: 06-DEC-1999
APPLICATION NUMBER: US 9-130225
FILING DATE: 06-AUG-1998
APPLICATION NUMBER: US 8-701124
FILING DATE: 21-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hefner, M. Daniel
REGISTRATION NUMBER: 41,826
REFERENCE/DOCKET NUMBER: 213564
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-969-192-5

Query Match 100.0%; Score 26; DB 9; Length 23;

Best Local Similarity 100.0%; Pred. No. 0.45;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CXXXXXXXXX 10
Db 1 CXXXXXXXXX 10
RESULT 43
US-10-423-543-119
Sequence 119, Application US/10423543
Publication No. US20040058355A1
GENERAL INFORMATION:
APPLICANT: Millennium Pharmaceuticals, Inc.
APPLICANT: Libermann, Rosana K.
APPLICANT: Hunter, John J.
APPLICANT: Meyers, Rachel E.
APPLICANT: Rudolph-Owen, Laura A.
APPLICANT: Curtis, Rory A.J.
APPLICANT: Olandt, Peter J.
APPLICANT: Tsai, Fong-Ying
APPLICANT: Galvin, Katherine M.
APPLICANT: Chun, Miyoung
APPLICANT: Williamson, Mark J.
APPLICANT: Silos-Santiago, Inmaculada
APPLICANT: Bandaru, Rajasekhar
TITLE OF INVENTION: NOVEL 21910, 56634, 55053, 2504, 15977,
TITLE OF INVENTION: 14760, 25501, 17903, 3700, 21529, 26176, 26343, 56638,
TITLE OF INVENTION: 18610, 33217, 21967, h1983, m1983, 38555 OR 593 MOLECULES
TITLE OF INVENTION: AND USES THEREFOR
FILE REFERENCE: MPI03-0230MNM
CURRENT APPLICATION NUMBER: US/10/423,543
CURRENT FILING DATE: 2003-04-25
PRIOR APPLICATION NUMBER: US 10/278,036
PRIOR FILING DATE: 2002-10-22
PRIOR APPLICATION NUMBER: US 09/711,216
PRIOR FILING DATE: 2000-11-09
PRIOR APPLICATION NUMBER: US 60/205,447
PRIOR FILING DATE: 2000-05-19
PRIOR APPLICATION NUMBER: US 10/012,055
PRIOR FILING DATE: 2001-11-13
PRIOR APPLICATION NUMBER: US 60/248,325
PRIOR FILING DATE: 2000-11-14
PRIOR APPLICATION NUMBER: US 10/003,690
PRIOR FILING DATE: 2001-11-15
PRIOR APPLICATION NUMBER: US 60/248,893
PRIOR FILING DATE: 2000-11-15
PRIOR APPLICATION NUMBER: US 09/797,039
PRIOR FILING DATE: 2001-02-28
PRIOR APPLICATION NUMBER: US 60/186,061
PRIOR FILING DATE: 2000-02-29
PRIOR APPLICATION NUMBER: US 10/217,168
PRIOR FILING DATE: 2002-08-12
Remaining Prior Application data removed - See File Wrapper or PALM.
NUMBER OF SEQ ID NOS: 119
SOFTWARE: FastSEQ for Windows Version 4.0
SEQ ID NO 119
LENGTH: 25
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Consensus sequence
FEATURE:
NAME/KEY: VARIANT
LOCATION: (2)...(9)
OTHER INFORMATION: Xaa = Any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (11)...(16)
OTHER INFORMATION: Xaa = Any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (18)...(20)

OTHER INFORMATION: Xaa = Any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (22)...(24)
OTHER INFORMATION: Xaa = Any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)...(25)
OTHER INFORMATION: Xaa = Any Amino Acid
US-10-423-543-119

Query Match 100.0%; Score 26; DB 12; Length 25;
Best Local Similarity 100.0%; Pred. No. 0.46;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 44
US-09-938-315-36
Sequence 36, Application US/09938315
Patent No. US20020091085A1
GENERAL INFORMATION:
APPLICANT: KAY, BRIAN K.
SPARKS, ANDREW B.
THORN, JUDITH M.
QUILLIAM, LAWRENCE A.
DER, CHANNING J.
TITLE OF INVENTION: SRC SH3 BINDING PEPTIDES AND METHODS OF
ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/938,315
FILING DATE: 23-Aug-2001
CLASSIFICATION: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Villacorta, Gilberto M.
REGISTRATION NUMBER: 34,038
REFERENCE/DOCKET NUMBER: 4980-007-0
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 36:

US-09-938-315-36

Query Match 100.0%; Score 26; DB 9; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
| | | | | | | | | |

Db 3 CXXXXXXXXC 12

RESULT 45
US-10-161-791-36
Sequence 36, Application US/10161791
Publication No. US20030186863A1
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAY, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: QUILLIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOWLKES, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/161,791
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/08/602,999
FILING DATE: 16-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-10-161-791-36

Query Match 100.0%; Score 26; DB 14; Length 28;
Best Local Similarity 100.0%; Pred. No. 0.47;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 3 CXXXXXXXXC 12

RESULT 46
US-09-919-603-13
Sequence 13, Application US/09919603
Patent No. US20020137679A1
GENERAL INFORMATION:
APPLICANT: Lawler, John W.
TITLE OF INVENTION: COMP/TSP-1, COMP/TSP-2 and Other TSP
TITLE OF INVENTION: Chimeric Proteins
FILE REFERENCE: 1440.1033-007
CURRENT APPLICATION NUMBER: US/09/919,603

```
; CURRENT FILING DATE: 2001-07-30
; PRIOR APPLICATION NUMBER: PCT/US00/02482
; PRIOR FILING DATE: 2000-02-01
; PRIOR APPLICATION NUMBER: 60/118,053
; PRIOR FILING DATE: 1999-02-01
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 13
; LENGTH: 33
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6, 7, 8, 9, 10, 11, 13, 14, 15, 16, 17, 18, 19, 20
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-919-603-13
```

```
Query Match 100.0%; Score 26; DB 9; Length 33;
Best Local Similarity 100.0%; Pred. No. 0.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 CXXXXXXXXC 10
| | | | |
Db 12 CXXXXXXXXC 21
```

```
RESULT 47
US-10-133-128-199
; Sequence 199, Application US/10133128
; Publication No. US20030082630A1
; GENERAL INFORMATION:
; APPLICANT: KOLKMAN, JOOST A.
; APPLICANT: STEMMER, WILLEM P.C.
; TITLE OF INVENTION: COMBINATORIAL LIBRARIES OF MONOMER DOMAINS
; FILE REFERENCE: 0319.410US
; CURRENT APPLICATION NUMBER: US/10/133,128
; CURRENT FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: 60/374,107
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 60/333,359
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 60/337,209
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/286,823
; PRIOR FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 244
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 199
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (2)..(7)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (9)..(12)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (14)..(19)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (21)..(25)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (27)..(34)
```

```
; OTHER INFORMATION: Any amino acid
US-10-133-128-199
Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 CXXXXXXXXC 10
| | | | |
Db 26 CXXXXXXXXC 35
```

```
RESULT 48
US-10-231-778-116
; Sequence 116, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 116
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(35)
; OTHER INFORMATION: X at positions 1 to 35 is any amino acid.
US-10-231-778-116
```

```
Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
Qy 1 CXXXXXXXXC 10
| | | | |
Db 18 CXXXXXXXXC 27
```

```
RESULT 49
US-10-289-660-199
; Sequence 199, Application US/10289660
; Publication No. US20030157561A1
; GENERAL INFORMATION:
; APPLICANT: KOLKMAN, JOOST A.
; APPLICANT: STEMMER, WILLEM P.C.
; APPLICANT: GOVINDARAJAN, SRIDHAR
```

; TITLE OF INVENTION: COMBINATORIAL LIBRARIES OF MONOMER DOMAINS
; FILE REFERENCE: 0319.510US
; CURRENT APPLICATION NUMBER: US/10/289,660
; CURRENT FILING DATE: 2003-11-06
; PRIOR APPLICATION NUMBER: 10/133,128
; PRIOR FILING DATE: 2002-04-26
; PRIOR APPLICATION NUMBER: 60/374,107
; PRIOR FILING DATE: 2002-04-18
; PRIOR APPLICATION NUMBER: 60/333,359
; PRIOR FILING DATE: 2001-11-26
; PRIOR APPLICATION NUMBER: 60/337,209
; PRIOR FILING DATE: 2001-11-19
; PRIOR APPLICATION NUMBER: 60/286,823
; PRIOR FILING DATE: 2001-04-26
; NUMBER OF SEQ ID NOS: 244
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 199
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Synthetic
; OTHER INFORMATION: peptide
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (2)..(7)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (9)..(12)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (14)..(19)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (21)..(25)
; OTHER INFORMATION: Any amino acid
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (27)..(34)
; OTHER INFORMATION: Any amino acid
; US-10-289-660-199
Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 26 CXXXXXXXXXC 35
RESULT 50
US-10-174-151-5
; Sequence 5, Application US/10174151
; Publication No. US20030165514A1
; GENERAL INFORMATION:
; APPLICANT: Spertini, Francois
; TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
; FILE REFERENCE: 18519-001
; CURRENT APPLICATION NUMBER: US/10/174,151
; CURRENT FILING DATE: 2002-06-18
; PRIOR APPLICATION NUMBER: US/09/506,978
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 5
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE
; OTHER INFORMATION: SPACING MOTIF
; FEATURE:
; OTHER INFORMATION: Where any X can be any amino acid.
US-10-174-151-5
Query Match 100.0%; Score 26; DB 14; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10
RESULT 51
US-10-204-145-5
; Sequence 5, Application US/10204145
; Publication No. US20040023291A1
; GENERAL INFORMATION:
; APPLICANT: Ecole Polytechnique Federale de Lausanne
; APPLICANT: Spertini, Francois
; TITLE OF INVENTION: NOVEL BEE VENOM POLYPEPTIDES AND METHODS OF USE THEREOF
; FILE REFERENCE: 18519-001-064 20349-543
; CURRENT APPLICATION NUMBER: US/10/204,145
; CURRENT FILING DATE: 2002-08-16
; PRIOR APPLICATION NUMBER: U.S.S.N. 09/506,978
; PRIOR FILING DATE: 2000-02-18
; NUMBER OF SEQ ID NOS: 5
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 5
; LENGTH: 35
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: CYSTEINE
; OTHER INFORMATION: SPACING MOTIF
; FEATURE:
; OTHER INFORMATION: Where any X can be any amino acid.
US-10-204-145-5
Query Match 100.0%; Score 26; DB 16; Length 35;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10
RESULT 52
US-09-903-248-1
; Sequence 1, Application US/09903248
; Patent No. US20020102263A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: 21486-032 DIV5
; CURRENT APPLICATION NUMBER: US/09/903,248
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/436,184
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus

OTHER INFORMATION: EGF-like domain
NAME/KEY: VARIANT
LOCATION: (2)..(8)
OTHER INFORMATION: Wherein Xaa is any amino acid
NAME/KEY: VARIANT
LOCATION: (10)..(13)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (15)..(24)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (26)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (28)..(35)
OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-248-1

Query Match 100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 27 CXXXXXXXC 36

RESULT 53
US-09-859-604-1
Sequence 1, Application US/09859604
Patent No. US20020110559A1
GENERAL INFORMATION:
APPLICANT: Wands, Jack R.
APPLICANT: de la Monte, Suzanne M
APPLICANT: Deutch, Alan H
APPLICANT: Ghanbari, Hossein A
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
FILE REFERENCE: 21486-032 CIP
CURRENT APPLICATION NUMBER: US/09/859,604
CURRENT FILING DATE: 2001-05-17
PRIOR APPLICATION NUMBER: 09/436,184
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 13
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 36
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Consensus
OTHER INFORMATION: EGF-like domain
NAME/KEY: VARIANT
LOCATION: (2)..(8)
OTHER INFORMATION: Wherein any Xaa may be any amino acid
NAME/KEY: VARIANT
LOCATION: (10)..(13)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (15)..(24)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (26)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (28)..(35)
OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-859-604-1

Query Match 100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10

Db 27 CXXXXXXXC 36
RESULT 54
US-09-903-063-1
Sequence 1, Application US/09903063
Patent No. US20020114810A1
GENERAL INFORMATION:
APPLICANT: Wands, Jack R.
APPLICANT: de la Monte, Suzanne M.
APPLICANT: Ince, Nedim
APPLICANT: Carlson, Rolf I.
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
FILE REFERENCE: 21486-032 DIV3
CURRENT APPLICATION NUMBER: US/09/903,063
CURRENT FILING DATE: 2001-10-11
PRIOR APPLICATION NUMBER: 09/436,184
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 36
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Consensus
OTHER INFORMATION: EGF-like domain
NAME/KEY: VARIANT
LOCATION: (2)..(8)
OTHER INFORMATION: Wherein Xaa is any amino acid
NAME/KEY: VARIANT
LOCATION: (10)..(13)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (15)..(24)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (26)
OTHER INFORMATION: Wherein Xaa is any amino acid.
NAME/KEY: VARIANT
LOCATION: (28)..(35)
OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-063-1

Query Match 100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 27 CXXXXXXXC 36

RESULT 55
US-09-903-216-1
Sequence 1, Application US/09903216
Patent No. US20020114811A1
GENERAL INFORMATION:
APPLICANT: Wands, Jack R.
APPLICANT: de la Monte, Suzanne M.
APPLICANT: Ince, Nedim
APPLICANT: Carlson, Rolf I.
TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
FILE REFERENCE: 21486-032 DIV2
CURRENT APPLICATION NUMBER: US/09/903,216
CURRENT FILING DATE: 2001-07-11
PRIOR APPLICATION NUMBER: 09/436,184
PRIOR FILING DATE: 1999-11-08
NUMBER OF SEQ ID NOS: 9
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 1
LENGTH: 36


```

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; NAME/KEY: VARIANT
; LOCATION: (2)..(8)
; OTHER INFORMATION: Wherein Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)..(13)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (15)..(24)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (26)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (28)..(35)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-216-1

Query Match          100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 56
US-09-903-199-1
; Sequence 1, Application US/09903199
; Patent No. US20020122802A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: 21486-032 DIV4
; CURRENT APPLICATION NUMBER: US/09/903,199
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/436,184
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; NAME/KEY: VARIANT
; LOCATION: (2)..(8)
; OTHER INFORMATION: Wherein Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)..(13)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (15)..(24)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (26)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (28)..(35)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-199-1

Query Match          100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 55
US-09-903-199-1
; Sequence 1, Application US/09903199
; Patent No. US20020122802A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: 21486-032 DIV4
; CURRENT APPLICATION NUMBER: US/09/903,199
; CURRENT FILING DATE: 2001-07-11
; PRIOR APPLICATION NUMBER: 09/436,184
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; NAME/KEY: VARIANT
; LOCATION: (2)..(8)
; OTHER INFORMATION: Wherein Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)..(13)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (15)..(24)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (26)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (28)..(35)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-199-1

Query Match          100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 57
US-09-903-023-1
; Sequence 1, Application US/09903023
; Patent No. US20020146421A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: 21486-032 DIV1
; CURRENT APPLICATION NUMBER: US/09/903,023
; CURRENT FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 09/436,184
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; NAME/KEY: VARIANT
; LOCATION: (2)..(8)
; OTHER INFORMATION: Wherein Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)..(13)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (15)..(24)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (26)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (28)..(35)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-023-1

Query Match          100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 58
US-09-436-184-1
; Sequence 1, Application US/09436184
; Publication No. US20030031670A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: R.I. Hosp. - Malignant Neoplasms
; CURRENT APPLICATION NUMBER: US/09/436,184
; CURRENT FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
```

```

Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 57
US-09-903-023-1
; Sequence 1, Application US/09903023
; Patent No. US20020146421A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: 21486-032 DIV1
; CURRENT APPLICATION NUMBER: US/09/903,023
; CURRENT FILING DATE: 2001-10-11
; PRIOR APPLICATION NUMBER: 09/436,184
; PRIOR FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 9
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; NAME/KEY: VARIANT
; LOCATION: (2)..(8)
; OTHER INFORMATION: Wherein Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)..(13)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (15)..(24)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (26)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
; NAME/KEY: VARIANT
; LOCATION: (28)..(35)
; OTHER INFORMATION: Wherein Xaa is any amino acid.
US-09-903-023-1

Query Match          100.0%; Score 26; DB 9; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXX 10
      |||||
Db      27 CXXXXXXXXX 36

RESULT 58
US-09-436-184-1
; Sequence 1, Application US/09436184
; Publication No. US20030031670A1
; GENERAL INFORMATION:
; APPLICANT: Wands, Jack R.
; APPLICANT: de la Monte, Suzanne M.
; APPLICANT: Ince, Nedim
; APPLICANT: Carlson, Rolf I.
; TITLE OF INVENTION: DIAGNOSIS AND TREATMENT OF MALIGNANT NEOPLASMS
; FILE REFERENCE: R.I. Hosp. - Malignant Neoplasms
; CURRENT APPLICATION NUMBER: US/09/436,184
; CURRENT FILING DATE: 1999-11-08
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: PatentIn Ver. 2.0
```

```
; SEQ ID NO 1
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: EGF-like domain
; OTHER INFORMATION: Wherein any Xaa may be any amino acid
US-09-436-184-1

Query Match      100.0%; Score 26; DB 10; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      27 CXXXXXXXXC 36

RESULT 59
US-10-138-158-8
; Sequence 8, Application US/10138158
; Publication No. US20030036509A1
; GENERAL INFORMATION:
; APPLICANT: STEM CELL PHARMACEUTICALS, INC.
; APPLICANT: TWARDZIK, Daniel R.
; APPLICANT: PERNET, Andre
; APPLICANT: FELKER, Thomas S.
; APPLICANT: PASKELL, Stefan
; APPLICANT: RENO, John M.
; TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE
; FILE REFERENCE: STEM1110-6
; CURRENT APPLICATION NUMBER: US/10/138,158
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US 09/641,587
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/559,248
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 09/459,813
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: US 09/492,935
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 09/378,567
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC FEATURE
; LOCATION: (1)..(36)
; OTHER INFORMATION: Xaa is any amino acid
US-10-138-158-8

Query Match      100.0%; Score 26; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      27 CXXXXXXXXC 36

RESULT 60
US-10-231-778-117
; Sequence 117, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
```

```

; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 120
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(36)
; OTHER INFORMATION: X at positions 1 to 36 is any amino acid.
US-10-231-778-120

Query Match      100.0%; Score 26; DB 14; Length 36;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      19 CXXXXXXXXC 28

RESULT 62
US-10-231-778-124
; Sequence 124, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 124
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(37)
; OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-118

Query Match      100.0%; Score 26; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXC 10
Db      20 CXXXXXXXXC 29

RESULT 64
US-10-231-778-121
; Sequence 121, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
```

```
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 121
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(37)
; OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-121
```

```
Query Match 100.0%; Score 26; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 CXXXXXXXXXC 10
Db 20 CXXXXXXXXXC 29
```

```
RESULT 65
US-10-231-778-125
; Sequence 125, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 125
; LENGTH: 37
; TYPE: PRT
```

```
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(37)
; OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-125
```

```
Query Match 100.0%; Score 26; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 CXXXXXXXXXC 10
Db 20 CXXXXXXXXXC 29
```

```
RESULT 66
US-10-231-778-131
; Sequence 131, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 131
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(37)
; OTHER INFORMATION: X at positions 1 to 37 is any amino acid.
US-10-231-778-131
```

```
Query Match 100.0%; Score 26; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY 1 CXXXXXXXXXC 10
Db 20 CXXXXXXXXXC 29
```

```
RESULT 67
US-10-386-055-41
```



```
; Sequence 41, Application US/10386055
; Publication No. US20030186334A1
; GENERAL INFORMATION:
; APPLICANT: Cezary Marcinkiewicz
; TITLE OF INVENTION: KTS-DISINTEGRINS
; FILE REFERENCE: 6056-286 C11
; CURRENT APPLICATION NUMBER: US/10/386,055
; CURRENT FILING DATE: 2003-03-11
; PRIOR APPLICATION NUMBER: PCT/US01/28522
; PRIOR FILING DATE: 2001-09-12
; PRIOR APPLICATION NUMBER: US 60/231,591
; PRIOR FILING DATE: 2000-09-12
; NUMBER OF SEQ ID NOS: 41
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 41
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: KTS-disintegrin cysteine skeleton
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (2)...(5)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(9)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(18)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (24)...(28)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (30)...(33)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa=any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa=zero or any 1, 2, 3, 4 or 5 amino acids
US-10-386-055-41

Query Match          100.0%; Score 26; DB 14; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
Db      10 CXXXXXXXXXC 19

RESULT 68
US-10-406-073-12
; Sequence 12, Application US/10406073
; Publication No. US20030219813A1
; GENERAL INFORMATION:
; APPLICANT: YANG, Ruey-Bing
; APPLICANT: NG, Chi Kin Domingos
; APPLICANT: TOMLINSON, James E.
; APPLICANT: KOMUVES, Laszlo G.
; APPLICANT: TOPPER, James N.
```

```
; APPLICANT: ROBISON, Keith E.
; APPLICANT: Millennium Pharmaceuticals Inc.
; TITLE OF INVENTION: IDENTIFICATION OF A FAMILY OF SECRETED
; TITLE OF INVENTION: PROTEINS IN VASCULAR ENDOTHELUM
; FILE REFERENCE: MPI02-048P1RNM
; CURRENT APPLICATION NUMBER: US/10/406,073
; CURRENT FILING DATE: 2003-04-03
; PRIOR APPLICATION NUMBER: 60/369876
; PRIOR FILING DATE: 2002-04-05
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: PatentIn version 3.1
; FastSeq for Windows Version 4.0
; SEQ ID NO 12
; LENGTH: 37
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: consensus
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 1,3,4
; OTHER INFORMATION: The amino acid residue at position 1, 3, or 4 can
; OTHER INFORMATION: be Asp, Glu, Gln or Asn.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2,6-19,21-27,29,31-34,36
; OTHER INFORMATION: The Xaa amino acid residue at these positions can be
; OTHER INFORMATION: any amino acid.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 30
; OTHER INFORMATION: The amino acid residue at position 30 can be Asp
; OTHER INFORMATION: or Asn.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 35
; OTHER INFORMATION: The amino acid residue at position 35 can be Phe
; OTHER INFORMATION: or Tyr.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (6)...(19)
; OTHER INFORMATION: The number of residues in this region can be
; OTHER INFORMATION: between three and fourteen.
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (21)...(27)
; OTHER INFORMATION: The number of residues in this region can be
; OTHER INFORMATION: between three and seven.
US-10-406-073-12

Query Match          100.0%; Score 26; DB 15; Length 37;
Best Local Similarity 100.0%; Pred. No. 0.51;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
Db      28 CXXXXXXXXXC 37

RESULT 69
US-10-231-778-119
; Sequence 119, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
```

; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 119
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(38)
; OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-119

Query Match 100.0%; Score 26; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 21 CXXXXXXXXXC 30

RESULT 70
US-10-231-778-122
; Sequence 122, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 122
; LENGTH: 38

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(38)
; OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-122

Query Match 100.0%; Score 26; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 21 CXXXXXXXXXC 30

RESULT 71
US-10-231-778-126
; Sequence 126, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 126
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(38)
; OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-126

Query Match 100.0%; Score 26; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 21 CXXXXXXXXXC 30

RESULT 72

```
US-10-231-778-130
; Sequence 130, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 130
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(38)
; OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-130

Query Match      100.0%; Score 26; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXC 10
        |||||
Db      21 CXXXXXXXC 30

RESULT 73
US-10-231-778-123
; Sequence 123, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 130
; LENGTH: 38
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(38)
; OTHER INFORMATION: X at positions 1 to 38 is any amino acid.
US-10-231-778-130

Query Match      100.0%; Score 26; DB 14; Length 38;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXC 10
        |||||
Db      21 CXXXXXXXC 30

RESULT 73
US-10-231-778-123
; Sequence 123, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 127
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(39)
; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-123

Query Match      100.0%; Score 26; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXC 10
        |||||
Db      22 CXXXXXXXC 31

RESULT 74
US-10-231-778-127
; Sequence 127, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 127
; LENGTH: 39
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(39)
; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-127
```

; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-127

Query Match 100.0%; Score 26; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 22 CXXXXXXXXX 31

RESULT 75

US-10-231-778-129
; Sequence 129, Application US/10231778
; Publication No. US20030126647A1

; GENERAL INFORMATION:

; APPLICANT: Bilodeau, Pierre

; APPLICANT: Chaudhury, Abdul M.

; APPLICANT: Dennis, Elizabeth S.

; APPLICANT: Koltunow, Anna M.G.

; APPLICANT: Luo, Ming

; APPLICANT: Peacock, William J.

; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene

; FILE REFERENCE: 72-98A

; CURRENT APPLICATION NUMBER: US/10/231,778

; CURRENT FILING DATE: 2002-11-08

; PRIOR APPLICATION NUMBER: 09/398,237

; PRIOR FILING DATE: 1999-09-20

; PRIOR APPLICATION NUMBER: 60/101,184

; PRIOR FILING DATE: 1998-09-21

; PRIOR APPLICATION NUMBER: AU PP6061

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6062

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6063

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PQ1345

; PRIOR FILING DATE: 1999-07-01

; PRIOR APPLICATION NUMBER: AU PQ1346

; PRIOR FILING DATE: 1999-07-01

; NUMBER OF SEQ ID NOS: 239

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 129

; LENGTH: 39

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Motif

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (1)..(39)

; OTHER INFORMATION: X at positions 1 to 39 is any amino acid.
US-10-231-778-129

Query Match 100.0%; Score 26; DB 14; Length 39;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 22 CXXXXXXXXX 31

RESULT 76

US-10-231-778-128

; Sequence 128, Application US/10231778

; Publication No. US20030126647A1

; GENERAL INFORMATION:

; APPLICANT: Bilodeau, Pierre

; APPLICANT: Chaudhury, Abdul M.

; APPLICANT: Dennis, Elizabeth S.

; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 128
; LENGTH: 40
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Motif

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (1)..(40)

; OTHER INFORMATION: X at positions 1 to 40 is any amino acid.
US-10-231-778-128

Query Match 100.0%; Score 26; DB 14; Length 40;
Best Local Similarity 100.0%; Pred. No. 0.52;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 23 CXXXXXXXXX 32

RESULT 77

US-10-660-968-4

; Sequence 4, Application US/10660968

; Publication No. US20040063132A1

; GENERAL INFORMATION:

; APPLICANT: Yee, David P.

; APPLICANT: Foster, Donald C.

; APPLICANT: Presnell, Scott R.

; APPLICANT: No. US20040063132A1ak, Julia E.

; APPLICANT: Xu, Wenfeng

; APPLICANT: Lofton-Day, Catherine E.

; APPLICANT: Yao, Yue

; TITLE OF INVENTION: UMLR POLYPEPTIDES

; FILE REFERENCE: 99-75

; CURRENT APPLICATION NUMBER: US/10/660,968

; CURRENT FILING DATE: 2003-09-12

; PRIOR APPLICATION NUMBER: US/09/695,369A

; PRIOR FILING DATE: 2002-04-30

; PRIOR APPLICATION NUMBER: 60/160, 880

; PRIOR FILING DATE: 1999-10-22

; PRIOR APPLICATION NUMBER: 60/163, 215

; PRIOR FILING DATE: 1999-11-02

; PRIOR APPLICATION NUMBER: 60/218,769

; PRIOR FILING DATE: 2000-07-17

; PRIOR APPLICATION NUMBER: 60/222,221

; PRIOR FILING DATE: 2000-08-01

; NUMBER OF SEQ ID NOS: 50

; SOFTWARE: FastSeq for Windows Version 3.0


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; SEQ ID NO 4
; LENGTH: 41
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Pseudo repeat motif #1
; NAME/KEY: VARIANT
; LOCATION: (1)...(1)
; OTHER INFORMATION: Xaa is any amino acid residue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (3)...(12)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(16)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; OTHER INFORMATION: or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (19)...(20)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (22)...(26)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (27)...(30)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; OTHER INFORMATION: or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (32)...(37)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; OTHER INFORMATION: or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (38)...(39)
; OTHER INFORMATION: Each Xaa is independently any amino acid residue
; OTHER INFORMATION: or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is any amino acid residue
US-10-660-968-4
Query Match 100.0%; Score 26; DB 12; Length 41;
Best Local Similarity 100.0%; Pred. No. 0.53;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 31 CXXXXXXXXXC 40

RESULT 78
US-09-740-638-8
; Sequence 8, Application US/09740638
; Patent No. US20020006656A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; TITLE OF INVENTION: Superfamily
; FILE REFERENCE: 99-104
; CURRENT APPLICATION NUMBER: US/09/740,638
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)...(43)
; OTHER INFORMATION: Xaa is any amino acid.
```

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; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)...(43)
; OTHER INFORMATION: Xaa is any amino acid.
US-09-740-638-8
Query Match 100.0%; Score 26; DB 9; Length 43;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 79
US-10-006-467-8
; Sequence 8, Application US/10006467
; Publication No. US20020164740A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; TITLE OF INVENTION: Superfamily
; FILE REFERENCE: 99-104C1
; CURRENT APPLICATION NUMBER: US/10/006,467
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/172,119
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/740,638
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 43
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)...(43)
; OTHER INFORMATION: Xaa is any amino acid.
US-10-006-467-8
Query Match 100.0%; Score 26; DB 13; Length 43;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 80
US-10-235-148-8
; Sequence 8, Application US/10235148
; Publication No. US20030100096A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; TITLE OF INVENTION: Superfamily
; FILE REFERENCE: 99-104C1
; CURRENT APPLICATION NUMBER: US/10/235,148
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/172,119
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/740,638
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 8
; LENGTH: 43
```

```

; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: VARIANT
; OTHER INFORMATION: Motif
; LOCATION: (1)...(44)
; OTHER INFORMATION: Xaa is any amino acid.
US-10-235-148-8
Query Match 100.0%; Score 26; DB 14; Length 43;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 81
US-09-740-638-9
; Sequence 9, Application US/09740638
; Patent No. US20020006656A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; FILE REFERENCE: 99-104
; CURRENT APPLICATION NUMBER: US/09/740,638
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(44)
; OTHER INFORMATION: Xaa is any amino acid.
US-09-740-638-9
Query Match 100.0%; Score 26; DB 9; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 82
US-10-006-467-9
; Sequence 9, Application US/10006467
; Publication No. US20020164740A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; FILE REFERENCE: 99-104C1
; CURRENT APPLICATION NUMBER: US/10/006,467
; CURRENT FILING DATE: 2001-12-04
; PRIOR APPLICATION NUMBER: 60/172,119
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/740,638
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(44)
; OTHER INFORMATION: Xaa is any amino acid.
US-10-006-467-9
Query Match 100.0%; Score 26; DB 14; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 83
US-10-235-148-9
; Sequence 9, Application US/10235148
; Publication No. US20030100096A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Zcys5: A Member of the Cystatin
; TITLE OF INVENTION: Superfamily
; FILE REFERENCE: 99-104C1
; CURRENT APPLICATION NUMBER: US/10/235,148
; CURRENT FILING DATE: 2002-09-04
; PRIOR APPLICATION NUMBER: 60/172,119
; PRIOR FILING DATE: 1999-12-23
; PRIOR APPLICATION NUMBER: 09/740,638
; PRIOR FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 9
; LENGTH: 44
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(44)
; OTHER INFORMATION: Xaa is any amino acid.
US-10-235-148-9
Query Match 100.0%; Score 26; DB 14; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 84
US-10-180-247-15
; Sequence 15, Application US/10180247
; Publication No. US20030167519A1
; GENERAL INFORMATION:
; APPLICANT: Derose, Richard
; APPLICANT: Freysinnet, Georges
; APPLICANT: Hoffman, Jules
; TITLE OF INVENTION: Chimeric Gene Encoding Drosomycin,
; TITLE OF INVENTION: Vector Containing It and Production of Disease-Resistant
; TITLE OF INVENTION: Transgenic Plants
; FILE REFERENCE: A32889-PCT-USA-A 072667.0182
; CURRENT APPLICATION NUMBER: US/10/180,247
; CURRENT FILING DATE: 2002-06-26
; PRIOR APPLICATION NUMBER: 09/480,251
; PRIOR FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/FR98/01462
; PRIOR FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: FR97/09,115
```

;; PRIOR FILING DATE: 1997-07-11
;; PRIOR APPLICATION NUMBER: FR97/09,663
;; PRIOR FILING DATE: 1997-07-24
;; NUMBER OF SEQ ID NOS: 15
;; SOFTWARE: FastSEQ for Windows Version 4.0
;; SEQ ID NO 15
;; LENGTH: 44
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Drosomycin Core Sequence
;;
;; NAME/KEY: VARIANT
;; LOCATION: (1)...(1)
;; OTHER INFORMATION: Preferably Asp
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (3)...(3)
;; OTHER INFORMATION: Preferably Leu
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (10)...(10)
;; OTHER INFORMATION: Preferably Pro
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (12)...(12)
;; OTHER INFORMATION: Preferably Ala
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (18)...(18)
;; OTHER INFORMATION: Preferably Thr
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (20)...(20)
;; OTHER INFORMATION: Preferably Arg
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (22)...(22)
;; OTHER INFORMATION: Preferably Val
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (24)...(24)
;; OTHER INFORMATION: Preferably Lys
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (32)...(32)
;; OTHER INFORMATION: Preferably His
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (34)...(34)
;; OTHER INFORMATION: Preferably Ser
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (38)...(38)
;; OTHER INFORMATION: Preferably Lys
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (40)...(40)
;; OTHER INFORMATION: Preferably Trp
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (42)...(42)
;; OTHER INFORMATION: Preferably Glu
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (43)...(43)
;; OTHER INFORMATION: Preferably Gly
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (4)...(9)
;; OTHER INFORMATION: Preferably Ser Gly Arg Tyr Lys Gly
;; FEATURE:
;; NAME/KEY: VARIANT

;; LOCATION: (13)...(17)
;; OTHER INFORMATION: Preferably Val Trp Asp Asn Glu
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (21)...(21)
;; OTHER INFORMATION: Preferably Arg
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (25)...(31)
;; OTHER INFORMATION: Preferably Glu Gly Arg Ser Ser Gly
;; FEATURE:
;; NAME/KEY: VARIANT
;; LOCATION: (35)...(37)
;; OTHER INFORMATION: Preferably Pro Ser Leu
;;
US-10-180-247-15
Query Match 100.0%; Score 26; DB 14; Length 44;
Best Local Similarity 100.0%; Pred. No. 0.54;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 2 CXXXXXXXXXC 11

RESULT 85
US-09-794-589-7
; Sequence 7, Application US/09794589
; Patent No. US20020004224A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN8
; FILE REFERENCE: 00-01
; CURRENT APPLICATION NUMBER: US/09/794,589
; CURRENT FILING DATE: 2001-02-27
; PRIOR APPLICATION NUMBER: US 60/186,069
; PRIOR FILING DATE: 2000-02-29
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 7
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: kunitz motif
; NAME/KEY: VARIANT
; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-09-794-589-7

Query Match 100.0%; Score 26; DB 9; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXXC 10

RESULT 86
US-09-750-964-4
; Sequence 4, Application US/09750964
; Patent No. US20020102703A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Fox, Brian A.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN10
; FILE REFERENCE: 99-84
; CURRENT APPLICATION NUMBER: US/09/750,964
; CURRENT FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/173,425
; PRIOR FILING DATE: 1999-12-29
; NUMBER OF SEQ ID NOS: 6

```
FASTSEQ for Windows Version 3.0
SEQ ID NO 4
LENGTH: 51
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: kunitz motif
NAME/KEY: VARIANT
LOCATION: (2)...(2)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
NAME/KEY: VARIANT
LOCATION: (3)...(3)
OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
OTHER INFORMATION: Pro
NAME/KEY: VARIANT
LOCATION: (4)...(4)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
OTHER INFORMATION: Tyr or Val
NAME/KEY: VARIANT
LOCATION: (5)...(5)
OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
OTHER INFORMATION: Ser, Thr or Trp
NAME/KEY: VARIANT
LOCATION: (6)...(6)
OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
OTHER INFORMATION: or Met
NAME/KEY: VARIANT
LOCATION: (7)...(7)
OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
OTHER INFORMATION: Met, Phe or Trp
NAME/KEY: VARIANT
LOCATION: (8)...(8)
OTHER INFORMATION: Xaa is Gly or Glu
NAME/KEY: VARIANT
LOCATION: (9)...(9)
OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
OTHER INFORMATION: Thr
NAME/KEY: VARIANT
LOCATION: (11)...(11)
OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
OTHER INFORMATION: Pro, Trp or Val
NAME/KEY: VARIANT
LOCATION: (12)...(12)
OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
OTHER INFORMATION: or Ser
NAME/KEY: VARIANT
LOCATION: (13)...(13)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
NAME/KEY: VARIANT
LOCATION: (14)...(14)
OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp or Ty
NAME/KEY: VARIANT
LOCATION: (15)...(15)
OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp or Ty
NAME/KEY: VARIANT
LOCATION: (16)...(16)
OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
NAME/KEY: VARIANT
LOCATION: (17)...(17)
OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
NAME/KEY: VARIANT
LOCATION: (18)...(18)
OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
NAME/KEY: VARIANT
LOCATION: (19)...(19)
OTHER INFORMATION: Xaa is Tyr or Phe
NAME/KEY: VARIANT
LOCATION: (20)...(20)
OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
NAME/KEY: VARIANT
LOCATION: (21)...(21)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
NAME/KEY: VARIANT
LOCATION: (22)...(22)
OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
NAME/KEY: VARIANT
LOCATION: (23)...(23)
OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
NAME/KEY: VARIANT
LOCATION: (24)...(24)
OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
NAME/KEY: VARIANT
LOCATION: (25)...(25)
OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
NAME/KEY: VARIANT
LOCATION: (27)...(27)
OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
NAME/KEY: VARIANT
LOCATION: (28)...(28)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
NAME/KEY: VARIANT
LOCATION: (29)...(29)
OTHER INFORMATION: Xaa is Phe or Tyr
NAME/KEY: VARIANT
LOCATION: (30)...(30)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
NAME/KEY: VARIANT
LOCATION: (31)...(31)
OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
NAME/KEY: VARIANT
LOCATION: (32)...(32)
OTHER INFORMATION: Xaa is Ser, Gly or Thr
NAME/KEY: VARIANT
LOCATION: (33)...(33)
OTHER INFORMATION: Xaa is Gly or Ile
NAME/KEY: VARIANT
LOCATION: (35)...(35)
OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
NAME/KEY: VARIANT
LOCATION: (36)...(36)
OTHER INFORMATION: Xaa is Gly, Lys or Ala
NAME/KEY: VARIANT
LOCATION: (37)...(37)
OTHER INFORMATION: Xaa is Asn, Lys or Ser
NAME/KEY: VARIANT
LOCATION: (38)...(38)
OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp,
NAME/KEY: VARIANT
LOCATION: (39)...(39)
OTHER INFORMATION: Xaa is Asn or Tyr
NAME/KEY: VARIANT
LOCATION: (40)...(40)
OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
NAME/KEY: VARIANT
LOCATION: (41)...(41)
OTHER INFORMATION: Xaa is Phe, Tyr or Asp
NAME/KEY: VARIANT
LOCATION: (42)...(42)
OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
NAME/KEY: VARIANT
LOCATION: (43)...(43)
OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
NAME/KEY: VARIANT
LOCATION: (44)...(44)
OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
NAME/KEY: VARIANT
LOCATION: (45)...(45)
OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
NAME/KEY: VARIANT
LOCATION: (46)...(46)
OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
NAME/KEY: VARIANT
LOCATION: (48)...(48)
OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr,
```


; LOCATION: (49)...(49)
; OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro, Ser, Tyr
; NAME/KEY: VARIANT
; LOCATION: (50)...(50)
; OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or Arg
US-09-750-964-4

Query Match 100.0%; Score 26; DB 9; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
|||||
Db 1 CXXXXXXXXXC 10

RESULT 87

US-09-740-510-5
; Sequence 5, Application US/09740510
; Patent No. US20020111460A1
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
; FILE REFERENCE: 99-103
; CURRENT APPLICATION NUMBER: US/09/740,510
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: motif.
; NAME/KEY: VARIANT
; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa is any amino acid.
US-09-740-510-5

Query Match 100.0%; Score 26; DB 9; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
|||||
Db 1 CXXXXXXXXXC 10

RESULT 88

US-10-021-963-3
; Sequence 3, Application US/10021963
; Publication No. US20020110887A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN6
; FILE REFERENCE: 98-40
; CURRENT APPLICATION NUMBER: US/10/021,963
; CURRENT FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US/09/388,183
; PRIOR FILING DATE: 1999-09-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Kunitz motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(12)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; OTHER INFORMATION: Pro or Trp
; NAME/KEY: VARIANT

; LOCATION: (3)...(3)
; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
; OTHER INFORMATION: Pro
; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
; OTHER INFORMATION: Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (5)...(5)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
; OTHER INFORMATION: Ser, Thr or Trp
; NAME/KEY: VARIANT
; LOCATION: (6)...(6)
; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
; OTHER INFORMATION: or Met
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Ile,
; OTHER INFORMATION: Met, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Gly or Glu
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
; OTHER INFORMATION: Thr
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; OTHER INFORMATION: Pro, Trp or Val
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
; OTHER INFORMATION: or Ser
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser,
; OTHER INFORMATION: Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met,
; OTHER INFORMATION: Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr or Phe
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or
; OTHER INFORMATION: Val
; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met

NAME/KEY: VARIANT
LOCATION: (25)...(25)
OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro,
OTHER INFORMATION: Trp, Tyr or Val
NAME/KEY: VARIANT
LOCATION: (27)...(27)
OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or
OTHER INFORMATION: Trp
NAME/KEY: VARIANT
LOCATION: (28)...(28)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp
OTHER INFORMATION: or Tyr
NAME/KEY: VARIANT
LOCATION: (29)...(29)
OTHER INFORMATION: Xaa is Phe or Tyr
NAME/KEY: VARIANT
LOCATION: (30)...(30)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
NAME/KEY: VARIANT
LOCATION: (31)...(31)
OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
NAME/KEY: VARIANT
LOCATION: (32)...(32)
OTHER INFORMATION: Xaa is Ser, Gly or Thr
NAME/KEY: VARIANT
LOCATION: (33)...(33)
OTHER INFORMATION: Xaa is Gly or Ile
NAME/KEY: VARIANT
LOCATION: (35)...(35)
OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
NAME/KEY: VARIANT
LOCATION: (36)...(36)
OTHER INFORMATION: Xaa is Gly, Lys or Ala
NAME/KEY: VARIANT
LOCATION: (37)...(37)
OTHER INFORMATION: Xaa is Asn, Lys or Ser
NAME/KEY: VARIANT
LOCATION: (38)...(38)
OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr,
OTHER INFORMATION: Trp, Tyr or Val
NAME/KEY: VARIANT
LOCATION: (39)...(39)
OTHER INFORMATION: Xaa is Asn or Tyr
NAME/KEY: VARIANT
LOCATION: (40)...(40)
OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
NAME/KEY: VARIANT
LOCATION: (41)...(41)
OTHER INFORMATION: Xaa is Phe, Tyr or Asp
NAME/KEY: VARIANT
LOCATION: (42)...(42)
OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
NAME/KEY: VARIANT
LOCATION: (43)...(43)
OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
NAME/KEY: VARIANT
LOCATION: (44)...(44)
OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or
OTHER INFORMATION: Val
NAME/KEY: VARIANT
LOCATION: (45)...(45)
OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or
OTHER INFORMATION: Pro
NAME/KEY: VARIANT
LOCATION: (46)...(46)
OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
NAME/KEY: VARIANT
LOCATION: (48)...(48)
OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser,
OTHER INFORMATION: Thr, Trp or Tyr
NAME/KEY: VARIANT
LOCATION: (49)...(49)
OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro,

OTHER INFORMATION: Ser, Tyr or Val
NAME/KEY: VARIANT
LOCATION: (50)...(50)
OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or
OTHER INFORMATION: Arg
US-10-021-963-3
Query Match 100.0%; Score 26; DB 13; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10
RESULT 89
US-10-225-261-5
Sequence 5, Application US/10225261
Publication No. US20030100070A1
GENERAL INFORMATION:
APPLICANT: Holloway, James L.
TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
FILE REFERENCE: 99-103
CURRENT APPLICATION NUMBER: US/10/225,261
CURRENT FILING DATE: 2002-08-20
NUMBER OF SEQ ID NOS: 12
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 5
LENGTH: 51
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: motif.
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)...(51)
OTHER INFORMATION: Xaa is any amino acid.
US-10-225-261-5
Query Match 100.0%; Score 26; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
Qy 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10
RESULT 90
US-10-315-380-7
Sequence 7, Application US/10315380
Publication No. US20030129577A1
GENERAL INFORMATION:
APPLICANT: Sheppard, Paul O.
TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN8
FILE REFERENCE: 00-01
CURRENT APPLICATION NUMBER: US/10/315,380
CURRENT FILING DATE: 2002-12-09
PRIOR APPLICATION NUMBER: US/09/794,589
PRIOR FILING DATE: 2001-02-27
PRIOR APPLICATION NUMBER: US 60/186,069
PRIOR FILING DATE: 2000-02-29
NUMBER OF SEQ ID NOS: 7
SOFTWARE: FastSeq for Windows Version 3.0
SEQ ID NO 7
LENGTH: 51
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: kunitz motif
FEATURE:
NAME/KEY: VARIANT

; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa = Any Amino Acid
US-10-315-380-7

Query Match 100.0%; Score 26; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
|||
Db 1 CXXXXXXXXC 10

RESULT 91

US-10-315-432-4

; Sequence 4, Application US/10315432
; Publication No. US20030162259A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Fox, Brian A.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN10
; FILE REFERENCE: 99-84
; CURRENT APPLICATION NUMBER: US/10/315,432
; CURRENT FILING DATE: 2002-12-09
; PRIOR APPLICATION NUMBER: US/09/750,964
; PRIOR FILING DATE: 2000-12-28
; PRIOR APPLICATION NUMBER: US 60/173,425
; PRIOR FILING DATE: 1999-12-29
; NUMBER OF SEQ ID NOS: 6
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 4

; LENGTH: 51

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: kunitz motif

; NAME/KEY: VARIANT

; LOCATION: (2)...(2)

; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (3)...(3)

; OTHER INFORMATION: Pro or Trp

; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (4)...(4)

; OTHER INFORMATION: Pro

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (5)...(5)

; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,

; OTHER INFORMATION: Tyr or Val

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (6)...(6)

; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,

; OTHER INFORMATION: Ser, Thr or Trp

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (7)...(7)

; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr

; OTHER INFORMATION: or Met

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (8)...(8)

; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,

; OTHER INFORMATION: Met, Phe or Trp

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (9)...(9)

; OTHER INFORMATION: Xaa is Gly or Glu

; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or

; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; OTHER INFORMATION: Pro, Trp or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
; OTHER INFORMATION: or Ser
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp o
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp o
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Tyr or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)

OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (30)...(30)
OTHER INFORMATION: Xaa is Phe or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (31)...(31)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (32)...(32)
OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (33)...(33)
OTHER INFORMATION: Xaa is Ser, Gly or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (35)...(35)
OTHER INFORMATION: Xaa is Gly or Ile
FEATURE:
NAME/KEY: VARIANT
LOCATION: (36)...(36)
OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (37)...(37)
OTHER INFORMATION: Xaa is Gly, Lys or Ala
FEATURE:
NAME/KEY: VARIANT
LOCATION: (38)...(38)
OTHER INFORMATION: Xaa is Asn, Lys or Ser
FEATURE:
NAME/KEY: VARIANT
LOCATION: (39)...(39)
OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp, Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (40)...(40)
OTHER INFORMATION: Xaa is Asn or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (41)...(41)
OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (42)...(42)
OTHER INFORMATION: Xaa is Phe, Tyr or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (43)...(43)
OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (44)...(44)
OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (45)...(45)
OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (46)...(46)
OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
FEATURE:
NAME/KEY: VARIANT
LOCATION: (48)...(48)
OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser

Query Match 100.0%; Score 26; DB 14; Length 51;
Best Local Similarity 100.0%; Pred. No. 0.56;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 92
US-09-874-056-8
; Sequence 8, Application US/09874056
; Publication No. US20020192704A1
; GENERAL INFORMATION:
; APPLICANT: OKANO, Akira
; APPLICANT: ETO, Yuzuru
; APPLICANT: IZUMI, Tetsuro
; TITLE OF INVENTION: Insulin Receptor-Related Receptor Binding Protein and Utilizat
; TITLE OF INVENTION: Same
; FILE REFERENCE: 209427US0
; CURRENT APPLICATION NUMBER: US/09/874,056
; CURRENT FILING DATE: 2001-06-06
; PRIOR APPLICATION NUMBER: JP 2000-170912
; PRIOR FILING DATE: 2000-06-07
; NUMBER OF SEQ ID NOS: 8
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 53
; TYPE: PRT
; ORGANISM: Mus musculus
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (10)..(10)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (11)..(11)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (12)..(12)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (13)..(13)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (16)..(16)
; OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
; FEATURE:
; NAME/KEY: MISC_FEATURE


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LOCATION: (17)..(17)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (18)..(18)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (19)..(19)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (20)..(20)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (21)..(21)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (22)..(22)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (23)..(23)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (26)..(26)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (27)..(27)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (28)..(28)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (29)..(29)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (30)..(30)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (31)..(31)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (34)..(34)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (36)..(36)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (37)..(37)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (42)..(42)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (43)..(43)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (44)..(44)
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OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (45)..(45)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (47)..(47)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (48)..(48)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (49)..(49)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (50)..(50)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (51)..(51)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (52)..(52)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (9)..(9)
OTHER INFORMATION: X IS ANY AMINO ACID OR NONEXISTENT
US-09-874-056-8
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Query Match 100.0%; Score 26; DB 9; Length 53;
Best Local Similarity 100.0%; Pred. No. 0.57;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
 |||||||
Db 15 CXXXXXXXC 24

RESULT 93
US-09-819-136-5
; Sequence 5, Application US/09819136
; Patent No. US20020146789A1
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Gao, Zeren
; TITLE OF INVENTION: MULTI-DOMAIN PROTEINASE INHIBITOR
; FILE REFERENCE: 00-25
; CURRENT APPLICATION NUMBER: US/09/819,136
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 60/193,642
; PRIOR FILING DATE: 2000-03-31
; NUMBER OF SEQ ID NOS: 13
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 55
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: peptide motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(7)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: VARIANT
; LOCATION: (8)...(9)
; OTHER INFORMATION: Xaa = any amino acid or is not present
; NAME/KEY: VARIANT
; LOCATION: (11)...(25)

OTHER INFORMATION: Xaa = any amino acid
NAME/KEY: VARIANT
LOCATION: (26)...(29)
OTHER INFORMATION: Xaa = any amino acid or is not present
NAME/KEY: VARIANT
LOCATION: (31)...(54)
OTHER INFORMATION: Xaa = any amino acid
US-09-819-136-5

Query Match 100.0%; Score 26; DB 9; Length 55;
Best Local Similarity 100.0%; Pred. No. 0.58;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 1 CXXXXXXXXX 10

RESULT 94

US-10-231-778-58
Sequence 58, Application US/10231778
Publication No. US20030126647A1
GENERAL INFORMATION:
APPLICANT: Bilodeau, Pierre
APPLICANT: Chaudhury, Abdul M.
APPLICANT: Dennis, Elizabeth S.
APPLICANT: Koltunow, Anna M.G.
APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6062
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6063
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PQ1345
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: AU PQ1346
PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 58
LENGTH: 63
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Motif

NAME/KEY: VARIANT
LOCATION: (1)..(63)
OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-58

Query Match 100.0%; Score 26; DB 14; Length 63;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 1 CXXXXXXXXX 10

RESULT 95

US-10-231-778-78

Sequence 78, Application US/10231778
Publication No. US20030126647A1
GENERAL INFORMATION:
APPLICANT: Bilodeau, Pierre
APPLICANT: Chaudhury, Abdul M.
APPLICANT: Dennis, Elizabeth S.
APPLICANT: Koltunow, Anna M.G.
APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6062
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6063
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PQ1345
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: AU PQ1346
PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 78
LENGTH: 63
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Motif
NAME/KEY: VARIANT
LOCATION: (1)..(63)
OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-78

Query Match 100.0%; Score 26; DB 14; Length 63;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 1 CXXXXXXXXX 10

RESULT 96

US-10-231-778-98
Sequence 98, Application US/10231778
Publication No. US20030126647A1
GENERAL INFORMATION:
APPLICANT: Bilodeau, Pierre
APPLICANT: Chaudhury, Abdul M.
APPLICANT: Dennis, Elizabeth S.
APPLICANT: Koltunow, Anna M.G.
APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 98
; LENGTH: 63
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(63)
; OTHER INFORMATION: X at positions 1 to 63 is any amino acid.
US-10-231-778-98

Query Match 100.0%; Score 26; DB 14; Length 63;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 1 CXXXXXXXXXC 10

RESULT 97
US-10-231-778-63
; Sequence 63, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 63
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(64)
; OTHER INFORMATION: X at positions 1 to 64 is any amino acid.

US-10-231-778-63
Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
| | | | |
Db 1 CXXXXXXXXXC 10
RESULT 98
US-10-231-778-68
; Sequence 68, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 68
; LENGTH: 64
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(64)
; OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-68

Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 1 CXXXXXXXXXC 10

RESULT 99
US-10-231-778-83
; Sequence 83, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.

APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6062
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6063
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PQ1345
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: AU PQ1346
PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 83
LENGTH: 64
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Motif
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)..(64)
OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-83

Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
|||||||
Db 1 CXXXXXXXC 10

RESULT 100
US-10-231-778-88
Sequence 88, Application US/10231778
Publication No. US20030126647A1
GENERAL INFORMATION:
APPLICANT: Bilodeau, Pierre
APPLICANT: Chaudhury, Abdul M.
APPLICANT: Dennis, Elizabeth S.
APPLICANT: Koltunow, Anna M.G.
APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6062
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6063
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PQ1345
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: AU PQ1346

PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 88
LENGTH: 64
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Motif
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)..(64)
OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-88

Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
|||||||
Db 1 CXXXXXXXC 10

RESULT 101

US-10-231-778-103
Sequence 103, Application US/10231778
Publication No. US20030126647A1
GENERAL INFORMATION:
APPLICANT: Bilodeau, Pierre
APPLICANT: Chaudhury, Abdul M.
APPLICANT: Dennis, Elizabeth S.
APPLICANT: Koltunow, Anna M.G.
APPLICANT: Luo, Ming
APPLICANT: Peacock, William J.
TITLE OF INVENTION: Method for inducing seed development by down-regulating
TITLE OF INVENTION: expression of the FIS2 gene
FILE REFERENCE: 72-98A
CURRENT APPLICATION NUMBER: US/10/231,778
CURRENT FILING DATE: 2002-11-08
PRIOR APPLICATION NUMBER: 09/398,237
PRIOR FILING DATE: 1999-09-20
PRIOR APPLICATION NUMBER: 60/101,184
PRIOR FILING DATE: 1998-09-21
PRIOR APPLICATION NUMBER: AU PP6061
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6062
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PP6063
PRIOR FILING DATE: 1998-09-22
PRIOR APPLICATION NUMBER: AU PQ1345
PRIOR FILING DATE: 1999-07-01
PRIOR APPLICATION NUMBER: AU PQ1346
PRIOR FILING DATE: 1999-07-01
NUMBER OF SEQ ID NOS: 239
SOFTWARE: PatentIn Ver. 2.0
SEQ ID NO 103
LENGTH: 64
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Motif
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)..(64)
OTHER INFORMATION: X at positions 1 to 64 is any amino acid.
US-10-231-778-103

Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10

Db 1 CXXXXXXXXC 10

RESULT 102

US-10-231-778-108
; Sequence 108, Application US/10231778
; Publication No. US20030126647A1

GENERAL INFORMATION:

; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.

; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; TITLE OF INVENTION: expression of the FIS2 gene

; FILE REFERENCE: 72-98A

; CURRENT APPLICATION NUMBER: US/10/231,778

; CURRENT FILING DATE: 2002-11-08

; PRIOR APPLICATION NUMBER: 09/398,237

; PRIOR FILING DATE: 1999-09-20

; PRIOR APPLICATION NUMBER: 60/101,184

; PRIOR FILING DATE: 1998-09-21

; PRIOR APPLICATION NUMBER: AU PP6061

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6062

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6063

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PQ1345

; PRIOR FILING DATE: 1999-07-01

; PRIOR APPLICATION NUMBER: AU PQ1346

; PRIOR FILING DATE: 1999-07-01

; NUMBER OF SEQ ID NOS: 239

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 108

; LENGTH: 64

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Motif

; FEATURE:

; NAME/KEY: VARIANT

; LOCATION: (1)..(64)

; OTHER INFORMATION: X at positions 1 to 64 is any amino acid.

US-10-231-778-108

Query Match 100.0%; Score 26; DB 14; Length 64;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10

Db 1 CXXXXXXXXC 10

RESULT 103

US-10-231-778-73

; Sequence 73, Application US/10231778

; Publication No. US20030126647A1

GENERAL INFORMATION:

; APPLICANT: Bilodeau, Pierre

; APPLICANT: Chaudhury, Abdul M.

; APPLICANT: Dennis, Elizabeth S.

; APPLICANT: Koltunow, Anna M.G.

; APPLICANT: Luo, Ming

; APPLICANT: Peacock, William J.

; TITLE OF INVENTION: Method for inducing seed development by down-regulating

; TITLE OF INVENTION: expression of the FIS2 gene

; FILE REFERENCE: 72-98A

; CURRENT APPLICATION NUMBER: US/10/231,778

; CURRENT FILING DATE: 2002-11-08

; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 73
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(65)
; OTHER INFORMATION: X at positions 1 to 65 is any amino acid.

US-10-231-778-73

Query Match 100.0%; Score 26; DB 14; Length 65;

Best Local Similarity 100.0%; Pred. No. 0.6;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10

Db 1 CXXXXXXXXC 10

RESULT 104

US-10-231-778-93

; Sequence 93, Application US/10231778

; Publication No. US20030126647A1

GENERAL INFORMATION:

; APPLICANT: Bilodeau, Pierre

; APPLICANT: Chaudhury, Abdul M.

; APPLICANT: Dennis, Elizabeth S.

; APPLICANT: Koltunow, Anna M.G.

; APPLICANT: Luo, Ming

; APPLICANT: Peacock, William J.

; TITLE OF INVENTION: Method for inducing seed development by down-regulating

; TITLE OF INVENTION: expression of the FIS2 gene

; FILE REFERENCE: 72-98A

; CURRENT APPLICATION NUMBER: US/10/231,778

; CURRENT FILING DATE: 2002-11-08

; PRIOR APPLICATION NUMBER: 09/398,237

; PRIOR FILING DATE: 1999-09-20

; PRIOR APPLICATION NUMBER: 60/101,184

; PRIOR FILING DATE: 1998-09-21

; PRIOR APPLICATION NUMBER: AU PP6061

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6062

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PP6063

; PRIOR FILING DATE: 1998-09-22

; PRIOR APPLICATION NUMBER: AU PQ1345

; PRIOR FILING DATE: 1999-07-01

; PRIOR APPLICATION NUMBER: AU PQ1346

; PRIOR FILING DATE: 1999-07-01

; NUMBER OF SEQ ID NOS: 239

; SOFTWARE: PatentIn Ver. 2.0

; SEQ ID NO 93

; LENGTH: 65

; TYPE: PRT

; ORGANISM: Artificial Sequence

```

; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)..(65)
; OTHER INFORMATION: X at positions 1 to 65 is any amino acid.
US-10-231-778-93
Query Match 100.0%; Score 26; DB 14; Length 65;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
   |||||
Db 1 CXXXXXXC 10

RESULT 105
US-10-231-778-113
; Sequence 113, Application US/10231778
; Publication No. US20030126647A1
; GENERAL INFORMATION:
; APPLICANT: Bilodeau, Pierre
; APPLICANT: Chaudhury, Abdul M.
; APPLICANT: Dennis, Elizabeth S.
; APPLICANT: Koltunow, Anna M.G.
; APPLICANT: Luo, Ming
; APPLICANT: Peacock, William J.
; TITLE OF INVENTION: Method for inducing seed development by down-regulating
; FILE OF INVENTION: expression of the FIS2 gene
; FILE REFERENCE: 72-98A
; CURRENT APPLICATION NUMBER: US/10/231,778
; CURRENT FILING DATE: 2002-11-08
; PRIOR APPLICATION NUMBER: 09/398,237
; PRIOR FILING DATE: 1999-09-20
; PRIOR APPLICATION NUMBER: 60/101,184
; PRIOR FILING DATE: 1998-09-21
; PRIOR APPLICATION NUMBER: AU PP6061
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6062
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PP6063
; PRIOR FILING DATE: 1998-09-22
; PRIOR APPLICATION NUMBER: AU PQ1345
; PRIOR FILING DATE: 1999-07-01
; PRIOR APPLICATION NUMBER: AU PQ1346
; PRIOR FILING DATE: 1999-07-01
; NUMBER OF SEQ ID NOS: 239
; SOFTWARE: PatentIn Ver. 2.0
; SEQ ID NO 113
; LENGTH: 65
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Motif
; NAME/KEY: VARIANT
; LOCATION: (1)..(65)
; OTHER INFORMATION: X at positions 1 to 65 is any amino acid.
US-10-231-778-113
Query Match 100.0%; Score 26; DB 14; Length 65;
Best Local Similarity 100.0%; Pred. No. 0.6;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
   |||||
Db 1 CXXXXXXC 10

RESULT 106
US-09-792-200B-20
; Sequence 20, Application US/09792200B
```

```

; Patent No. US20020042368A1
; GENERAL INFORMATION:
; APPLICANT: Immunex Corporation
; APPLICANT: Fanslow, William C.
; APPLICANT: Poindexter, Kurt
; APPLICANT: Cerretti, Douglas P.
; APPLICANT: Black, Roy A.
; TITLE OF INVENTION: INTEGRIN ANTAGONISTS
; FILE REFERENCE: 2958-A
; CURRENT APPLICATION NUMBER: US/09/792,200B
; CURRENT FILING DATE: 2001-02-23
; PRIOR APPLICATION NUMBER: US 60/184,865
; PRIOR FILING DATE: 2000-02-25
; NUMBER OF SEQ ID NOS: 22
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 20
; LENGTH: 67
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Consensus disintegrin domain
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(9)
; OTHER INFORMATION: Xaa is 3-5 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (11)..(16)
; OTHER INFORMATION: Xaa is 3-6 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (19)..(22)
; OTHER INFORMATION: Xaa is 2-4 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (24)..(30)
; OTHER INFORMATION: Xaa is 7 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (32)..(37)
; OTHER INFORMATION: Xaa is 4-6 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (40)..(43)
; OTHER INFORMATION: Xaa is 2-4 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (45)..(52)
; OTHER INFORMATION: Xaa is 8 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (54)..(60)
; OTHER INFORMATION: Xaa is 5-7 varying residues in a consensus sequence
; NAME/KEY: MISC_FEATURE
; LOCATION: (62)..(66)
; OTHER INFORMATION: Xaa is 3-5 varying residues in a consensus sequence
US-09-792-200B-20
Query Match 100.0%; Score 26; DB 9; Length 67;
Best Local Similarity 100.0%; Pred. No. 0.61;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
   |||||
Db 44 CXXXXXXC 53

RESULT 107
US-09-952-559-1
; Sequence 1, Application US/09952559
; Patent No. US20020048815A1
; GENERAL INFORMATION:
; APPLICANT: Gage, Frederick H.
; Suhr, Steven T.
; TITLE OF INVENTION: Modified Lepidopteran Receptors
; and Hybrid Multi-Functional Proteins for Use in Transcr:
; and Transgene Expression Regulation
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gray Cary Ware & Freidenrich
; STREET: 4365 Executive Drive, Suite 1600
```

; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows DEMONSTRATION Version 2.0D
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/952,559
; FILING DATE: 13-Sep-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/891,298
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: <Unknown>
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-677-1409
; TELEFAX: 619-677-1465
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 71 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-952-559-1
Query Match 100.0%; Score 26; DB 9; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48
RESULT 108
US-09-042-488B-1
; Sequence 1, Application US/09042488B
; Patent No. US20020177564A1
; GENERAL INFORMATION:
; APPLICANT: EVANS, RONALD M.
; APPLICANT: NO, DAVID
; APPLICANT: SAEZ, ENRIQUE
; TITLE OF INVENTION: METHODS FOR MODULATING EXPRESSION OF EXOGENOUS GENES IN
; TITLE OF INVENTION: MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
; FILE REFERENCE: SALK1520-2
; CURRENT APPLICATION NUMBER: US/09/042,488B
; CURRENT FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: 08/974,530
; PRIOR FILING DATE: 1997-11-19
; PRIOR APPLICATION NUMBER: 08/628,830
; PRIOR FILING DATE: 1996-04-05
; NUMBER OF SEQ ID NOS: 18
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 1
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Consensus
; OTHER INFORMATION: peptide sequence
; NAME/KEY: MOD_RES
; LOCATION: (2)..(3)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (5)..(6)

; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (8)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (10)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (12)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (14)..(17)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (19)..(20)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (23)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (26)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (28)..(38)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (40)..(47)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (49)..(51)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (53)..(54)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (56)..(57)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (59)..(60)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (63)..(64)
; OTHER INFORMATION: Any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (67)..(69)
; OTHER INFORMATION: Any amino acid
; US-09-042-488B-1
Query Match 100.0%; Score 26; DB 9; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48
RESULT 109
US-09-949-278-1
; Sequence 1, Application US/09949278
; Publication No. US20020187972A1
; GENERAL INFORMATION:
; APPLICANT: EVANS, Ronald
; APPLICANT: SAEZ, Enrique
; TITLE OF INVENTION: FORMULATIONS USEFUL FOR MODULATING EXPRESSION OF
; TITLE OF INVENTION: EXOGENOUS
; TITLE OF INVENTION: GENES IN MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
; FILE REFERENCE: SALK2310
; CURRENT APPLICATION NUMBER: US/09/949,278
; CURRENT FILING DATE: 2001-09-07
; PRIOR APPLICATION NUMBER: 09/079,570
; PRIOR FILING DATE: 1998-05-14
; NUMBER OF SEQ ID NOS: 27

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; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Binding domain of the steroid/thyroid hormone
; OTHER INFORMATION: superfamily of
; OTHER INFORMATION: receptor
; NAME/KEY: VARIANT
; LOCATION: (1)..(71)
; OTHER INFORMATION: xaa is any amino acid
US-09-949-278-1

Query Match      100.0%; Score 26; DB 9; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CXXXXXXXXX 10
        |||||
Db      39 CXXXXXXXXX 48

RESULT 110
US-10-236-745-1
; Sequence 1, Application US/10236745
; Publication No. US20030083469A1
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; Forman, Barry M.
; Umesono, Kazuhiko
; TITLE OF INVENTION: ALLOSTERIC CONTROL OF NUCLEAR HORMONE RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gray Cary Ware & Freidenrich
; STREET: 4365 Executive Drive, Suite 1600
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows DEMONSTRATION Version 2.0D
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/236,745
; FILING DATE: 06-Sep-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/877,966B
; FILING DATE: 17-JUN-1997
; APPLICATION NUMBER: 08/372,217
; FILING DATE: 13-JAN-1995
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter, Stephen E
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: SALK 1450-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-677-1409
; TELEFAX: 619-677-1465
; TELEX: <Unknown>
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 71 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-236-745-1

Query Match      100.0%; Score 26; DB 14; Length 71;

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Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CXXXXXXXXX 10
        |||||
Db      39 CXXXXXXXXX 48

RESULT 111
US-10-302-557-33
; Sequence 33, Application US/10302557
; Publication No. US2003009926A1
; GENERAL INFORMATION:
; APPLICANT: SUCOV, HENRY M
; APPLICANT: EVANS, RONALD M
; APPLICANT: UMESONO, KAZUHIKO
; TITLE OF INVENTION: RESPONSE ELEMENT COMPOSITIONS AND ASSAYS EMPLOYING SAME
; FILE REFERENCE: 088802/1552
; CURRENT APPLICATION NUMBER: US/10/302,557
; CURRENT FILING DATE: 2002-11-22
; PRIOR APPLICATION NUMBER: US/07/672,530
; PRIOR FILING DATE: 1991-03-19
; PRIOR APPLICATION NUMBER: 07/438,757
; PRIOR FILING DATE: 1989-11-16
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Highly
; OTHER INFORMATION: Conserved Amino Acids of the DNA-Binding Domain of
; OTHER INFORMATION: Members of the Superfamily
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (2)..(3)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (5)..(6)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (8)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (10)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (12)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD RES
; LOCATION: (14)..(17)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (19)..(20)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (23)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (26)
; OTHER INFORMATION: any amino acid
; FEATURE:
; NAME/KEY: MOD RES
; LOCATION: (28)..(38)

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OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (40)..(47)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (49)..(51)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (53)..(54)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (56)..(57)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (59)..(60)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (63)..(64)
OTHER INFORMATION: any amino acid
FEATURE:
NAME/KEY: MOD RES
LOCATION: (67)..(69)
OTHER INFORMATION: any amino acid
US-10-302-557-33

Query Match 100.0%; Score 26; DB 14; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48

RESULT 112
US-10-458-880-1
Sequence 1, Application US/10458880
Publication No. US2004006144A1
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
Mangelsdorf, David J.
Heyman, Richard A.
Boehm, Marcus F.
Eichele, Gregor
Thaller, Christina
TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
THEREFOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/10/458,880
FILING DATE: 10-Jun-2003
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/09/350,648

FILING DATE: 09-Jul-1999
APPLICATION NUMBER: US/08/472,817
FILING DATE: 07-JUN-1995
APPLICATION NUMBER: US 08/244,857
FILING DATE: 14-JUN-1994
APPLICATION NUMBER: WO 93/11755
FILING DATE: 18-DEC-1992
APPLICATION NUMBER: US 07/809,980
FILING DATE: 18-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9979
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-10-458-880-1

Query Match 100.0%; Score 26; DB 15; Length 71;
Best Local Similarity 100.0%; Pred. No. 0.62;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48

RESULT 113
US-10-424-599-247931
Sequence 247931, Application US/10424599
Publication No. US20040031072A1
GENERAL INFORMATION:
APPLICANT: La Rosa Thomas J
APPLICANT: Kovalic David K
APPLICANT: Zhou Yihua
APPLICANT: Cao Yongwei
TITLE OF INVENTION: Soy Nucleic Acid Molecules and Other Molecules Associated With
TITLE OF INVENTION: Plants and Uses Thereof for Plant Improvement
FILE REFERENCE: 38-21(53223)B
CURRENT APPLICATION NUMBER: US/10/424,599
CURRENT FILING DATE: 2003-04-28
NUMBER OF SEQ ID NOS: 285684
SEQ ID NO 247931
LENGTH: 95
TYPE: PRT
ORGANISM: Glycine max
FEATURE:
NAME/KEY: unsure
LOCATION: (1)..(95)
OTHER INFORMATION: unsure at all Xaa locations
FEATURE:
OTHER INFORMATION: Clone ID: PAT_MRT3847_65912C.1.pap
US-10-424-599-247931

Query Match 100.0%; Score 26; DB 12; Length 95;
Best Local Similarity 100.0%; Pred. No. 0.67;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 2 CXXXXXXXC 11

RESULT 114
US-10-011-859-23

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; Sequence 23, Application US/10011859
; Publication No. US20020147328A1
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS
; FILE REFERENCE: 97-75
; CURRENT APPLICATION NUMBER: US/10/011,859
; PRIOR FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US/09/253,316
; PRIOR FILING DATE: EARLIER FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: EARLIER APPLICATION NUMBER: US 60/075,300
; PRIOR FILING DATE: EARLIER FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: connective tissue growth factor family motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(9)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (10)...(11)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (13)...(31)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (34)...(38)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (39)...(40)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (42)...(53)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (54)...(54)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (56)...(62)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (63)...(63)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (65)...(106)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (107)...(108)
; OTHER INFORMATION: Xaa is any amino acid or not present
; NAME/KEY: VARIANT
; LOCATION: (110)...(122)
; OTHER INFORMATION: Xaa is any amino acid
; NAME/KEY: VARIANT
; LOCATION: (123)...(126)
; OTHER INFORMATION: Xaa is any amino acid or not present
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; US-10-011-859-23
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; Query Match 100.0%; Score 26; DB 13; Length 127;
; Best Local Similarity 100.0%; Pred. No. 0.73;
; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 1 CXXXXXXXXXC 10
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; DB 55 CXXXXXXXXXC 64
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RESULT 115
US-10-153-273-14
; Sequence 14, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Wellem, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/153,273
; FILING DATE: 21-May-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE: <Unknown>
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 14:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 271 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; SEQUENCE DESCRIPTION: SEQ ID NO: 14:
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; US-10-153-273-14
;
; Query Match 100.0%; Score 26; DB 13; Length 271;
; Best Local Similarity 100.0%; Pred. No. 0.91;
; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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; QY 1 CXXXXXXXXXC 10
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; DB 189 CXXXXXXXXXC 198
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RESULT 116
US-10-153-273-21
; Sequence 21, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
```

;/ Su, Xin-zhaun
;/ Welles, Thomas E.
;/ TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
;/ AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
;/
;/ NUMBER OF SEQUENCES: 37
;/ CORRESPONDENCE ADDRESS:
;/ ADDRESSEE: Knobbe Martens Olson & Bear
;/ STREET: 620 Newport Center Drive 16th Floor
;/ CITY: Newport Beach
;/ STATE: California
;/ COUNTRY: US
;/ ZIP: 92660
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: Patent in Release #1.0, Version #1.25
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/10/153,273
;/ FILING DATE: 21-May-2002
;/ CLASSIFICATION: <Unknown>
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/210,288
;/ FILING DATE: <Unknown>
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Fuller, Michael
;/ REGISTRATION NUMBER: 36,516
;/ REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (619) 235-8550
;/ TELEFAX: (619) 235-0176
;/
;/ INFORMATION FOR SEQ ID NO: 21:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 311 amino acids
;/ TYPE: amino acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: peptide
;/ HYPOTHETICAL: NO
;/ ANTI-SENSE: NO
;/ FRAGMENT TYPE: internal
;/ ORIGINAL SOURCE:
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 21:
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US-10-153-273-21

Query Match 100.0%; Score 26; DB 13; Length 311;
Best Local Similarity 100.0%; Pred. No. 0.95;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | |
Db 228 CXXXXXXXXXC 237

RESULT 117
US-10-153-273-17
; Sequence 17, Application US/10153273
; Publication No. US20020169305A1
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; Chitnis, Chetan
; Miller, Louis H.
; Peterson, David S.
; Su, Xin-zhaun
; Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California

;/ COUNTRY: US
;/ ZIP: 92660
;/
;/ COMPUTER READABLE FORM:
;/ MEDIUM TYPE: Floppy disk
;/ COMPUTER: IBM PC compatible
;/ OPERATING SYSTEM: PC-DOS/MS-DOS
;/ SOFTWARE: Patent in Release #1.0, Version #1.25
;/
;/ CURRENT APPLICATION DATA:
;/ APPLICATION NUMBER: US/10/153,273
;/ FILING DATE: 21-May-2002
;/ CLASSIFICATION: <Unknown>
;/
;/ PRIOR APPLICATION DATA:
;/ APPLICATION NUMBER: US/09/210,288
;/ FILING DATE: <Unknown>
;/ ATTORNEY/AGENT INFORMATION:
;/ NAME: Fuller, Michael
;/ REGISTRATION NUMBER: 36,516
;/ REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
;/ TELECOMMUNICATION INFORMATION:
;/ TELEPHONE: (619) 235-8550
;/ TELEFAX: (619) 235-0176
;/
;/ INFORMATION FOR SEQ ID NO: 17:
;/ SEQUENCE CHARACTERISTICS:
;/ LENGTH: 324 amino acids
;/ TYPE: amino acid
;/ STRANDEDNESS: single
;/ TOPOLOGY: linear
;/ MOLECULE TYPE: peptide
;/ HYPOTHETICAL: NO
;/ ANTI-SENSE: NO
;/ FRAGMENT TYPE: internal
;/ ORIGINAL SOURCE:
;/ SEQUENCE DESCRIPTION: SEQ ID NO: 17:
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US-10-153-273-17

Query Match 100.0%; Score 26; DB 13; Length 324;
Best Local Similarity 100.0%; Pred. No. 0.96;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
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Db 311 CXXXXXXXXXC 320

Search completed: May 4, 2004, 07:18:34
Job time : 43 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 4, 2004, 06:50:58 ; Search time 23 Seconds
(without alignments)
22.446 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 130

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : Issued Patents AA:*
1: /cgn2_6/ptodata/2/iaa/5A COMB.pep:*
2: /cgn2_6/ptodata/2/iaa/5B COMB.pep:*
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Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	17	55.4	10	1	US-08-526-710-39 Sequence 39, App1
2	17	55.4	10	2	US-08-465-380-200 Sequence 200, App
3	17	55.4	10	2	US-08-465-380-249 Sequence 249, App
4	17	55.4	10	2	US-08-465-380-299 Sequence 299, App
5	17	55.4	10	2	US-08-465-380-352 Sequence 352, App
6	17	55.4	10	2	US-08-486-397-200 Sequence 200, App
7	17	55.4	10	2	US-08-486-397-249 Sequence 249, App
8	17	55.4	10	2	US-08-486-397-299 Sequence 299, App
9	17	55.4	10	2	US-08-486-397-352 Sequence 352, App
10	17	55.4	10	2	US-08-486-399-200 Sequence 200, App
11	17	55.4	10	2	US-08-486-399-249 Sequence 249, App
12	17	55.4	10	2	US-08-486-399-299 Sequence 299, App
13	17	55.4	10	2	US-08-486-399-352 Sequence 352, App
14	17	55.4	10	2	US-08-461-965-200 Sequence 200, App
15	17	55.4	10	2	US-08-461-965-249 Sequence 249, App
16	17	55.4	10	2	US-08-461-965-299 Sequence 299, App
17	17	55.4	10	2	US-08-461-965-352 Sequence 352, App
18	17	55.4	10	2	US-08-634-641-200 Sequence 200, App
19	17	55.4	10	2	US-08-634-641-249 Sequence 249, App
20	17	55.4	10	2	US-08-634-641-299 Sequence 299, App
21	17	55.4	10	2	US-08-634-641-352 Sequence 352, App
22	17	55.4	10	2	US-08-286-861-42 Sequence 42, App1
23	17	55.4	10	3	US-09-249-471-200 Sequence 200, App
24	17	55.4	10	3	US-09-249-471-249 Sequence 249, App
25	17	55.4	10	3	US-09-249-471-299 Sequence 299, App
26	17	55.4	10	3	US-09-249-471-352 Sequence 352, App
27	17	55.4	10	3	US-09-249-472-200 Sequence 200, App

28	17	65.4	10	3	US-09-249-472-249 Sequence 249, App
29	17	65.4	10	3	US-09-249-472-299 Sequence 299, App
30	17	65.4	10	3	US-09-249-472-352 Sequence 352, App
31	17	65.4	10	3	US-08-862-855-39 Sequence 39, App1
32	17	65.4	10	3	US-09-249-451-200 Sequence 200, App
33	17	65.4	10	3	US-09-249-451-249 Sequence 249, App
34	17	65.4	10	3	US-09-249-451-299 Sequence 299, App
35	17	65.4	10	3	US-09-249-451-352 Sequence 352, App
36	17	65.4	10	3	US-08-809-455-200 Sequence 200, App
37	17	65.4	10	3	US-08-809-455-249 Sequence 249, App
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39	17	65.4	10	3	US-08-809-455-352 Sequence 352, App
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43	17	65.4	10	3	US-09-249-461-352 Sequence 352, App
44	17	65.4	10	3	US-09-249-448-200 Sequence 200, App
45	17	65.4	10	3	US-09-249-448-249 Sequence 249, App
46	17	65.4	10	3	US-09-249-448-299 Sequence 299, App
47	17	65.4	10	3	US-09-249-448-352 Sequence 352, App
48	17	65.4	10	3	US-09-226-985-39 Sequence 39, App1
49	17	65.4	10	4	US-09-227-906-39 Sequence 39, App1
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55	15	57.7	10	2	US-08-465-380-173 Sequence 173, App
56	15	57.7	10	2	US-08-465-380-222 Sequence 222, App
57	15	57.7	10	2	US-08-465-380-271 Sequence 271, App
58	15	57.7	10	2	US-08-465-380-325 Sequence 325, App
59	15	57.7	10	2	US-08-480-478-76 Sequence 76, App1
60	15	57.7	10	2	US-08-486-397-145 Sequence 145, App
61	15	57.7	10	2	US-08-486-397-173 Sequence 173, App
62	15	57.7	10	2	US-08-486-397-222 Sequence 222, App
63	15	57.7	10	2	US-08-486-397-271 Sequence 271, App
64	15	57.7	10	2	US-08-486-397-325 Sequence 325, App
65	15	57.7	10	2	US-08-486-399-145 Sequence 145, App
66	15	57.7	10	2	US-08-486-399-173 Sequence 173, App
67	15	57.7	10	2	US-08-486-399-222 Sequence 222, App
68	15	57.7	10	2	US-08-486-399-271 Sequence 271, App
69	15	57.7	10	2	US-08-486-399-325 Sequence 325, App
70	15	57.7	10	2	US-08-461-965-145 Sequence 145, App
71	15	57.7	10	2	US-08-461-965-173 Sequence 173, App
72	15	57.7	10	2	US-08-461-965-222 Sequence 222, App
73	15	57.7	10	2	US-08-461-965-271 Sequence 271, App
74	15	57.7	10	2	US-08-461-965-325 Sequence 325, App
75	15	57.7	10	2	US-08-326-110A-76 Sequence 145, App
76	15	57.7	10	2	US-08-634-641-145 Sequence 173, App
77	15	57.7	10	2	US-08-634-641-173 Sequence 222, App
78	15	57.7	10	2	US-08-634-641-222 Sequence 271, App
79	15	57.7	10	2	US-08-634-641-271 Sequence 325, App
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84	15	57.7	10	3	US-09-249-471-271 Sequence 271, App
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89	15	57.7	10	3	US-09-249-472-271 Sequence 271, App
90	15	57.7	10	3	US-09-249-472-325 Sequence 325, App
91	15	57.7	10	3	US-09-249-451-145 Sequence 145, App
92	15	57.7	10	3	US-09-249-451-173 Sequence 173, App
93	15	57.7	10	3	US-09-249-451-222 Sequence 222, App
94	15	57.7	10	3	US-09-249-451-271 Sequence 271, App
95	15	57.7	10	3	US-09-249-451-325 Sequence 325, App
96	15	57.7	10	3	US-08-809-455-145 Sequence 145, App
97	15	57.7	10	3	US-08-809-455-173 Sequence 173, App
98	15	57.7	10	3	US-08-809-455-222 Sequence 222, App
99	15	57.7	10	3	US-08-809-455-271 Sequence 271, App
100	15	57.7	10	3	US-08-809-455-325 Sequence 325, App

ALIGNMENTS

RESULT 1
US-08-526-710-39
; Sequence 39, Application US/08526710
; Patent No. 5622699
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Method of Identifying Molecules That
; TITLE OF INVENTION: Home to a Selected Organ in Vivo
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/526,710
; FILING DATE: 11-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 1779
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-08-526-710-39

Query Match 65.4%; Score 17; DB 1; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
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Db 1 CXXXXXXX 9

RESULT 2
US-08-465-380-200
; Sequence 200, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles

; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-465-380-200

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
| | | | | | | |
Db 1 CXXXXXXX 9

RESULT 3
US-08-465-380-249
; Sequence 249, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380

FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 249:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
amino acid.

US-08-465-380-249

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 4

US-08-465-380-299
Sequence 299, Application US/08465380
Patent No. 5863894
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 299:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
amino acid.
US-08-465-380-299

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 5

US-08-465-380-352
Sequence 352, Application US/08465380
Patent No. 5863894
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
amino acid.

US-08-465-380-352

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
| | | | |
Db 1 CXXXXXXXXX 9

RESULT 6
US-08-486-397-200
; Sequence 200, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.

US-08-486-397-200

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
| | | | |
Db 1 CXXXXXXXXX 9

RESULT 7

US-08-486-397-249
; Sequence 249, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.

US-08-486-397-249
Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
| | | | |
Db 1 CXXXXXXXXX 9

RESULT 8

US-08-486-397-299
; Sequence 299, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT

```
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-486-397-299

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 9
US-08-486-397-352
; Sequence 352, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,399
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
```

```
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-486-397-352

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 10
US-08-486-399-200
; Sequence 200, Application US/08486399
; Patent No. 5866543
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,399
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
```


FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 213/270
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 200:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 FRAGMENT TYPE: internal fragment
 FEATURE:
 OTHER INFORMATION: Xaa in location
 OTHER INFORMATION: amino acid.
 US-08-486-399-200

```
Query Match      65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels
```

Qy 1 CXXXXXXXXX 9
| | | | | | | | | |
Dy 1 CXXXXXXXXX 9

RESULT 11
US-08-486-399-249
; Sequence 249, Application US/08486399
; Patent No. 5866543
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 249:
SEQUENCE CHARACTERISTICS:

```

; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-08-486-399-249

```

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels

Qy 1 CXXXXXXX 9
| | | | | | | |
Db 1 CXXXXXXX 9

RESULT 12
US-08-486-399-299
; Sequence 299, Application US/08486399
; Patent No. 5866543
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
 STREET: 633 West Fifth Street
 STREET: Suite 4700
 CITY: Los Angeles
 STATE: California
 COUNTRY: U.S.A.
 ZIP: 90071
 COMPUTER READABLE FORM:
 MEDIUM TYPE: 3.5" Diskette, 1.44 MB
 MEDIUM TYPE: storage
 COMPUTER: IBM Compatible
 OPERATING SYSTEM: IBM P.C. DOS 5.0
 SOFTWARE: Word Perfect 5.1
 CURRENT APPLICATION DATA:
 APPLICATION NUMBER: US/08/486,399
 FILING DATE: June 5, 1995
 CLASSIFICATION: 530
 PRIOR APPLICATION DATA:
 APPLICATION NUMBER: 08/326,110
 FILING DATE: October 18, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 213/270
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440
 TELEX: 67-3510
 INFORMATION FOR SEQ ID NO: 299:
 SEQUENCE CHARACTERISTICS:
 LENGTH: 10 amino acids
 TYPE: amino acid
 TOPOLOGY: linear
 FRAGMENT TYPE: internal fragment
 FEATURE:
 OTHER INFORMATION: xaa in locations
 OTHER INFORMATION: amino acid.
 US-08-486-399-299

Query Match	65.4%;	Score 17;	DB 2;	Length 10;
Best Local Similarity	100.0%;	Pred. No. 7e+02;		

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
|||||||

Db 1 CXXXXXXXXX 9

RESULT 13
US-08-486-399-352
; Sequence 352, Application US/08486399
; Patent No. 5866543
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.

US-08-486-399-352
Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
|||||||

Db 1 CXXXXXXXXX 9

RESULT 14
US-08-461-965-200
; Sequence 200, Application US/08461965
; Patent No. 5872098

GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.

US-08-461-965-200
Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
|||||||

Db 1 CXXXXXXXXX 9

RESULT 15
US-08-461-965-249
; Sequence 249, Application US/08461965
; Patent No. 5872098
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 249:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-08-461-965-249

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9
RESULT 16
US-08-461-965-299
Sequence 299, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 299:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-08-461-965-299
Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 17
US-08-461-965-352
Sequence 352, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
amino acid.
US-08-461-965-352

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
|||
Db 1 CXXXXXXX 9

RESULT 18

US-08-634-641-200
; Sequence 200, Application US/08634641
; Patent No. 5955294
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George P. Vlasuk
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Mensens, Joris Hilda Lieven
; APPLICANT: Lauwerays, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,641
; FILING DATE: April 19, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 219/136
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
amino acid.
US-08-634-641-200

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
|||
Db 1 CXXXXXXX 9

RESULT 19

US-08-634-641-249
; Sequence 249, Application US/08634641
; Patent No. 5955294
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George P. Vlasuk
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Mensens, Joris Hilda Lieven
; APPLICANT: Lauwerays, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,641
; FILING DATE: April 19, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:


```

; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 219/136
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
;
US-08-634-641-249

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 20
US-08-634-641-299
; Sequence 299, Application US/08634641
; Patent No. 5955294
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George P. Vlasuk
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Mensens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,641
; FILING DATE: April 19, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965

; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 219/136
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
;
US-08-634-641-299

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 21
US-08-634-641-352
; Sequence 352, Application US/08634641
; Patent No. 5955294
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George P. Vlasuk
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Mensens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/634,641
; FILING DATE: April 19, 1996
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
```

US-08-286-861-42

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | | | | | | |
Db 1 CXXXXXXX 9

RESULT 23

US-09-249-471-200

; Sequence 200, Application US/09249471
; Patent No. 6040441
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,471
FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid

US-08-634-641-352

Query Match 65.4%; Score 17; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | | | | | | |
Db 1 CXXXXXXX 9

RESULT 22

US-08-286-861-42

; Sequence 42, Application US/08286861
; Patent No. 5981478
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Koivunen, Erkki
; TITLE OF INVENTION: No. 5981478el Integrin-Binding Peptides
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell and Flores
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,861
FILING DATE: 04-AUG-1994
CLASSIFICATION: 530

PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/158,001
FILING DATE: 24-NOV-1993
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LA 9992
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949

INFORMATION FOR SEQ ID NO: 42:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: both

```

; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-471-200

```

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels

Qy 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 24
US-09-249-471-249
; Sequence 249, Application US/09249471
; Patent No. 604041
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATOIDE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.

```

; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
;
US-09-249-471-249

```

```

Query Match      65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

```

Qy 1 CXXXXXXX 9
p'b 1 CXXXXXXX 9

RESULT 25
US-09-249-471-299
; Sequence 299, Application US/09249471
; Patent No. 6040441
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IEM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,471
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/455,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.

FILING DATE: OCTOBER 20, 1994
 ATTORNEY/AGENT INFORMATION:
 NAME: BIGGS, SUZANNE L.
 REGISTRATION NUMBER: 30,158
 REFERENCE/DOCKET NUMBER: 216/270
 TELECOMMUNICATION INFORMATION:
 TELEPHONE: (213) 489-1600
 TELEFAX: (213) 955-0440

```
;
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 299:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-471-299

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred.No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 26
US-09-249-471-352
; Sequence 352, Application US/09249471
; Patent No. 6040441
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,471
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
```

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;
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-471-352

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred.No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 27
US-09-249-472-200
; Sequence 200, Application US/09249472
; Patent No. 6046318
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Suite 4700
; STATE: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,472
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
```


; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-472-200

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 28
US-09-249-472-249
; Sequence 249, Application US/09249472
; Patent No. 6046318
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,472
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455

; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 249:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-472-249

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 29
US-09-249-472-299
; Sequence 299, Application US/09249472
; Patent No. 6046318
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1

Page 15

MEDIUM TYPE: 3.5" Diskette, 1.44 MB
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,472
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in location
OTHER INFORMATION: amino acid.
US-09-249-472-352

Qy 1 cxxxxxx 9
| | | | | | | | | |
Db 1 cxxxxxx 9

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels

RESULT 31
US-08-862-855-39
; Sequence 39, Application US/08862855
; Patent No. 6068829
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Pasqualini, Renata
; TITLE OF INVENTION: Method of Identifying Molecules That
; TITLE OF INVENTION: Home to a Selected Organ In Vivo
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent In Release #1.0, Version #1.25

;; FILING DATE:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/809,455
;; FILING DATE: April 17, 1997
;; APPLICATION NUMBER: PCT/US95/13231
;; FILING DATE: October 17, 1995
;; APPLICATION NUMBER: 08/486,399
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/486,397
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/465,380
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/461,965
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/326,110
;; FILING DATE: October 18, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BIGGS, SUZANNE L.
;; REGISTRATION NUMBER: 30,158
;; REFERENCE/DOCKET NUMBER: 216/270
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 249:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; FRAGMENT TYPE: internal fragment
;; FEATURE:
;; OTHER INFORMATION: Xaa in locations 2 to 10 is an
;; OTHER INFORMATION: amino acid.
US-09-249-451-249

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 34
US-09-249-451-299
; Sequence 299, Application US/09249451
; Patent No. 6087487
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage

;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: Word Perfect 5.1
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/09/249,451
;; FILING DATE:
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: 08/809,455
;; FILING DATE: April 17, 1997
;; APPLICATION NUMBER: PCT/US95/13231
;; FILING DATE: October 17, 1995
;; APPLICATION NUMBER: 08/486,399
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/486,397
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/465,380
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/461,965
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/326,110
;; FILING DATE: October 18, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BIGGS, SUZANNE L.
;; REGISTRATION NUMBER: 30,158
;; REFERENCE/DOCKET NUMBER: 216/270
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;; INFORMATION FOR SEQ ID NO: 299:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; FRAGMENT TYPE: internal fragment
;; FEATURE:
;; OTHER INFORMATION: Xaa in locations 2 to 10 is an
;; OTHER INFORMATION: amino acid.
US-09-249-451-299

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 35
US-09-249-451-352
; Sequence 352, Application US/09249451
; Patent No. 6087487
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California

COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,451
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-451-352

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 36
US-08-809-455-200
; Sequence 200, Application US/08809455
; Patent No. 6090916
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/809,455
FILING DATE: April 17, 1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-08-809-455-200

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 37
US-08-809-455-249
; Sequence 249, Application US/08809455
; Patent No. 6090916
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT

;; TITLE OF INVENTION: PROTEIN
;; NUMBER OF SEQUENCES: 356
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Lyon & Lyon
;; STREET: 633 West Fifth Street
;; STREET: Suite 4700
;; CITY: Los Angeles
;; STATE: California
;; COUNTRY: U.S.A.
;; ZIP: 90071
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: Word Perfect 5.1
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/809,455
;; FILING DATE: April 17, 1997
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/13231
;; FILING DATE: October 17, 1995
;; APPLICATION NUMBER: 08/486,399
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/486,397
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/465,380
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/461,965
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/326,110
;; FILING DATE: October 18, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BIGGS, SUZANNE L.
;; REGISTRATION NUMBER: 30,158
;; REFERENCE/DOCKET NUMBER: 216/270
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;;
;; INFORMATION FOR SEQ ID NO: 249:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; FRAGMENT TYPE: internal fragment
;; FEATURE:
;; OTHER INFORMATION: Xaa in locations 2 to 10 is an
;; OTHER INFORMATION: amino acid.
US-08-809-455-249

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 38
US-08-809-455-299
; Sequence 299, Application US/08809455
; Patent No. 6090916
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Ganssemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew

;; APPLICANT: Bergum, Peter W.
;; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
;; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
;; CORRESPONDENCE ADDRESS:
;; NUMBER OF SEQUENCES: 356
;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Lyon & Lyon
;; STREET: 633 West Fifth Street
;; STREET: Suite 4700
;; CITY: Los Angeles
;; STATE: California
;; COUNTRY: U.S.A.
;; ZIP: 90071
;;
;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
;; MEDIUM TYPE: storage
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: IBM P.C. DOS 5.0
;; SOFTWARE: Word Perfect 5.1
;;
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/809,455
;; FILING DATE: April 17, 1997
;;
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: PCT/US95/13231
;; FILING DATE: October 17, 1995
;; APPLICATION NUMBER: 08/486,399
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/486,397
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/465,380
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/461,965
;; FILING DATE: June 5, 1995
;; APPLICATION NUMBER: 08/326,110
;; FILING DATE: October 18, 1994
;; ATTORNEY/AGENT INFORMATION:
;; NAME: BIGGS, SUZANNE L.
;; REGISTRATION NUMBER: 30,158
;; REFERENCE/DOCKET NUMBER: 216/270
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (213) 489-1600
;; TELEFAX: (213) 955-0440
;; TELEX: 67-3510
;;
;; INFORMATION FOR SEQ ID NO: 299:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; FRAGMENT TYPE: internal fragment
;; FEATURE:
;; OTHER INFORMATION: Xaa in locations 2 to 10 is an
;; OTHER INFORMATION: amino acid.
US-08-809-455-299

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 39
US-08-809-455-352
; Sequence 352, Application US/08809455
; Patent No. 6090916
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene

APPLICANT: Jaspers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/809,455
FILING DATE: April 17, 1997

PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.

US-08-809-455-352

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 40
US-09-249-461-200
Sequence 200, Application US/09249461
Patent No. 6096877
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo

APPLICANT: Messens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jaspers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,461
FILING DATE:

PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.

US-09-249-461-200

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 41
US-09-249-461-249

Db

1 CXXXXXXX 9

RESULT 42

US-09-249-461-299

; Sequence 299, Application US/09249461

; Patent No. 6096877

; GENERAL INFORMATION:

; APPLICANT: Vlasuk, George Phillip

; APPLICANT: Stanssens, Patrick Eric Hugo

; APPLICANT: Messens, Joris Hilda Lieven

; APPLICANT: Lauwereys, Marc Josef

; APPLICANT: Laroche, Yves Rene

; APPLICANT: Jespers, Laurent Stephane

; APPLICANT: Gansemans, Yannick Georges Jozef

; APPLICANT: Moyle, Matthew

; APPLICANT: Bergum, Peter W.

; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE

; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT

; TITLE OF INVENTION: PROTEIN

; NUMBER OF SEQUENCES: 356

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; STREET: Suite 4700

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071

; COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/249,461

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/809,455

; FILING DATE: April 17, 1997

; APPLICATION NUMBER: PCT/US95/13231

; FILING DATE: October 17, 1995

; APPLICATION NUMBER: 08/486,399

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/486,397

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/465,380

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/461,965

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/326,110

; FILING DATE: October 18, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: BIGGS, SUZANNE L.

; REGISTRATION NUMBER: 30,158

; REFERENCE/DOCKET NUMBER: 216/270

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 299:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 10 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; FRAGMENT TYPE: internal fragment

; FEATURE:

; OTHER INFORMATION: Xaa in locations 2 to 10 is an

; OTHER INFORMATION: amino acid.

US-09-249-461-299

Query Match

65.4%; Score 17; DB 3; Length 10;

Qy

1 CXXXXXXX 9

|||||||

Query Match

65.4%; Score 17; DB 3; Length 10;

Best Local Similarity

100.0%; Pred. No. 7e+02;

Matches

9; Conservative

0; Mismatches

0; Indels

0; Gaps

0;

US-09-249-461-299

OTHER INFORMATION: Xaa in locations 2 to 10 is an

OTHER INFORMATION: amino acid.

Best Local Similarity 100.0%; Pred. No. 7e+02; Indels 0; Gaps 0;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 43
US-09-249-461-352
; Sequence 352, Application US/09249461
; Patent No. 6096877
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,461
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:

OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-461-352

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
| | | | |
Db 1 CXXXXXXX 9

RESULT 44
US-09-249-448-200
; Sequence 200, Application US/09249448
; Patent No. 6121435
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,448
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-448-200

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 45
US-09-249-448-249
Sequence 249, Application US/09249448
Patent No. 6121435
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
ZIP: U.S.A.

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,448
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 249:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-448-249

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 46
US-09-249-448-299
Sequence 299, Application US/09249448
Patent No. 6121435
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Suite 4700
STATE: Los Angeles
COUNTRY: California
ZIP: U.S.A.

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,448
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 299:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-448-299

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 47
US-09-249-448-352
Sequence 352, Application US/09249448
Patent No. 6121435
GENERAL INFORMATION:

APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messens, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,448
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380

FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 352:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-448-352

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 48
US-09-226-985-39
Sequence 39, Application US/09226985
Patent No. 6296832
GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
APPLICANT: Pasqualini, Renata
TITLE OF INVENTION: Molecules That Home to a Selected Organ In Vivo
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/226,985
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/526,710
FILING DATE: 11-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/813,273
FILING DATE: 10-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,855
FILING DATE: 23-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 3423
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001

TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-226-985-39

Query Match 65.4%; Score 17; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 49
US-09-227-906-39
Sequence 39, Application US/09227906
Patent No. 6306365
GENERAL INFORMATION:
APPLICANT: Ruoslahti, Erkki
APPLICANT: Pasqualini, Renata
TITLE OF INVENTION: Method of Identifying Molecules That
TITLE OF INVENTION: Home to a Selected Organ in Vivo
NUMBER OF SEQUENCES: 44
CORRESPONDENCE ADDRESS:
ADDRESSEE: Campbell & Flores LLP
STREET: 4370 La Jolla Village Drive, Suite 700
CITY: San Diego
STATE: California
COUNTRY: United States
ZIP: 92122

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/227,906
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/526,710
FILING DATE: 11-SEP-1995
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/813,273
FILING DATE: 10-MAR-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/862,855
FILING DATE: 23-MAY-1997
ATTORNEY/AGENT INFORMATION:
NAME: Campbell, Cathryn A.
REGISTRATION NUMBER: 31,815
REFERENCE/DOCKET NUMBER: P-LJ 3424
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 535-9001
TELEFAX: (619) 535-8949
INFORMATION FOR SEQ ID NO: 39:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-227-906-39

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0;

QY 1 CXXXXXXX 9

Db 1 CXXXXXXX 9

RESULT 50
US-09-249-473-200
Sequence 200, Application US/09249473
Patent No. 6534629
GENERAL INFORMATION:
APPLICANT: Vlasuk, George Phillip
APPLICANT: Stanssens, Patrick Eric Hugo
APPLICANT: Messers, Joris Hilda Lieven
APPLICANT: Lauwereys, Marc Josef
APPLICANT: Laroche, Yves Rene
APPLICANT: Jespers, Laurent Stephane
APPLICANT: Gansemans, Yannick Georges Jozef
APPLICANT: Moyle, Matthew
APPLICANT: Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/249,473
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/809,455
FILING DATE: April 17, 1997
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 200:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 2 to 10 is an
OTHER INFORMATION: amino acid.
US-09-249-473-200

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9
Db 1 CXXXXXXX 9

RESULT 51

US-09-249-473-249
; Sequence 249, Application US/09249473
; Patent No. 6534629

GENERAL INFORMATION:

; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansmans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.

; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT

; TITLE OF INVENTION: PROTEIN

; NUMBER OF SEQUENCES: 356

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071

COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/249,473

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/809,455

; FILING DATE: April 17, 1997

; APPLICATION NUMBER: PCT/US95/13231

; FILING DATE: October 17, 1995

; APPLICATION NUMBER: 08/486,399

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/486,397

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/465,380

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/461,965

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/326,110

; FILING DATE: October 18, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: BIGGS, SUZANNE L.

; REGISTRATION NUMBER: 30,158

; REFERENCE/DOCKET NUMBER: 216/270

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 249:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 10 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; FRAGMENT TYPE: internal fragment

FEATURE:

; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.

US-09-249-473-249

Query Match 65.4%; Score 17; DB 4; Length 10;

Best Local Similarity 100.0%; Pred. No. 7e+02;

Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 9

Db 1 CXXXXXXX 9

RESULT 52

US-09-249-473-299

; Sequence 299, Application US/09249473

; Patent No. 6534629

GENERAL INFORMATION:

; APPLICANT: Vlasuk, George Phillip

; APPLICANT: Stanssens, Patrick Eric Hugo

; APPLICANT: Messens, Joris Hilda Lieven

; APPLICANT: Lauwereys, Marc Josef

; APPLICANT: Laroche, Yves Rene

; APPLICANT: Jespers, Laurent Stephane

; APPLICANT: Gansmans, Yannick Georges Jozef

; APPLICANT: Moyle, Matthew

; APPLICANT: Bergum, Peter W.

; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE

; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT

; TITLE OF INVENTION: PROTEIN

; NUMBER OF SEQUENCES: 356

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Lyon & Lyon

; STREET: 633 West Fifth Street

; CITY: Los Angeles

; STATE: California

; COUNTRY: U.S.A.

; ZIP: 90071

COMPUTER READABLE FORM:

; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

; MEDIUM TYPE: storage

; COMPUTER: IBM Compatible

; OPERATING SYSTEM: IBM P.C. DOS 5.0

; SOFTWARE: Word Perfect 5.1

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/09/249,473

; FILING DATE:

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: 08/809,455

; FILING DATE: April 17, 1997

; APPLICATION NUMBER: PCT/US95/13231

; FILING DATE: October 17, 1995

; APPLICATION NUMBER: 08/486,399

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/486,397

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/465,380

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/461,965

; FILING DATE: June 5, 1995

; APPLICATION NUMBER: 08/326,110

; FILING DATE: October 18, 1994

; ATTORNEY/AGENT INFORMATION:

; NAME: BIGGS, SUZANNE L.

; REGISTRATION NUMBER: 30,158

; REFERENCE/DOCKET NUMBER: 216/270

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (213) 489-1600

; TELEFAX: (213) 955-0440

; TELEX: 67-3510

; INFORMATION FOR SEQ ID NO: 299:

```

; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-473-299

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 53
US-09-249-473-352
; Sequence 352, Application US/09249473
; Patent No. 6534629
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; APPLICANT: Stanssens, Patrick Eric Hugo
; APPLICANT: Messens, Joris Hilda Lieven
; APPLICANT: Lauwereys, Marc Josef
; APPLICANT: Laroche, Yves Rene
; APPLICANT: Jespers, Laurent Stephane
; APPLICANT: Gansemans, Yannick Georges Jozef
; APPLICANT: Moyle, Matthew
; APPLICANT: Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; TITLE OF INVENTION: INHIBITORS AND ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/249,473
; FILING DATE:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/809,455
; FILING DATE: April 17, 1997
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270

```

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; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; OTHER INFORMATION: amino acid.
US-09-249-473-352

Query Match 65.4%; Score 17; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 7e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9

RESULT 54
US-08-465-380-145
; Sequence 145, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 145:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:

```

OTHER INFORMATION: Xaa in locations 1 to 3 and 5
OTHER INFORMATION: to 10 is an amino acid.
US-08-465-380-145

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 55
US-08-465-380-173
; Sequence 173, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 173:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 1 to 3 and
; OTHER INFORMATION: locations 5 to 10 is an amino
; OTHER INFORMATION: acid.
US-08-465-380-173

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |

Db 4 CXXXXXX 10
RESULT 56
US-08-465-380-222
; Sequence 222, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/465,380
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/268
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 222:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 1 to 3 and
; OTHER INFORMATION: locations 5 to 10 is an amino
; OTHER INFORMATION: acid.
US-08-465-380-222

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 57
US-08-465-380-271
; Sequence 271, Application US/08465380
; Patent No. 5863894
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,

APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-465-380-271

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 58
US-08-465-380-325
Sequence 325, Application US/08465380
Patent No. 5863894
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700

CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/465,380
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/268
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 325:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-465-380-325

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 59
US-08-480-478-76
Sequence 76, Application US/08480478
Patent No. 5864009
GENERAL INFORMATION:
APPLICANT: GEORGE P. VLASUK; PATRICK ERIC
APPLICANT: HUGO STANSSENS; JORIS HILDA
APPLICANT: LIEVEN MESSENS; MARC JOZEF
APPLICANT: LAUWEREYS; YVES RENE LAROCHE;
APPLICANT: LAURENT STEPHANE JESPERS; and
APPLICANT: YANNICK GEORGES JOZEF
APPLICANT: GANSEMANS
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTI-
TITLE OF INVENTION: COAGULANT PROTEIN
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/480,478
FILING DATE: 06-JUN-1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: 18 OCTOBER 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208/290
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 76:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in any location 1 to 3, or 5
OTHER INFORMATION: to 10 is an amino acid.

US-08-480-478-76

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred.No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 60

US-08-486-397-145
Sequence 145, Application US/08486397
Patent No. 5866542
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 357
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,397
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 145:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and 5
OTHER INFORMATION: to 10 is an amino acid.

US-08-486-397-145

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred.No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 61

US-08-486-397-173
Sequence 173, Application US/08486397
Patent No. 5866542
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 357
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
STREET: Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,397
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 173:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear

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; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 1 to 3 and
; OTHER INFORMATION: locations 5 to 10 is an amino
; OTHER INFORMATION: acid.
US-08-486-397-173

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 62
US-08-486-397-222
; Sequence 222, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 222:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 1 to 3 and
; OTHER INFORMATION: locations 5 to 10 is an amino
; OTHER INFORMATION: acid.
US-08-486-397-222

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

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QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 63
US-08-486-397-271
; Sequence 271, Application US/08486397
; Patent No. 5866542
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 357
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; MEDIUM TYPE: storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,397
; FILING DATE: June 5, 1995
; CLASSIFICATION: 530
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 213/269
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 271:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 1 to 3 and
; OTHER INFORMATION: locations 5 to 10 is an amino
; OTHER INFORMATION: acid.
US-08-486-397-271

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 64
US-08-486-397-325
; Sequence 325, Application US/08486397
; Patent No. 5866542

```

GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 357
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,397
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/269
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 325:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-486-397-325
Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 65
US-08-486-399-145
Sequence 145, Application US/08486399
Patent No. 5866543
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 145:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and 5
OTHER INFORMATION: to 10 is an amino acid.
US-08-486-399-145
Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 66
US-08-486-399-173
Sequence 173, Application US/08486399
Patent No. 5866543
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 173:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-486-399-173

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 67

US-08-486-399-222
Sequence 222, Application US/08486399
Patent No. 5866543
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 173:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids

NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 222:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-486-399-222

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 68

US-08-486-399-271
Sequence 271, Application US/08486399
Patent No. 5866543
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids

TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-486-399-271

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 69
US-08-486-399-325
; Sequence 325, Application US/08486399
; Patent No. 5866543
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/486,399
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 213/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 325:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-486-399-325

Query Match 57.7%; Score 15; DB 2; Length 10;

Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 70
US-08-461-965-145
; Sequence 145, Application US/08461965
; Patent No. 5872098
; GENERAL INFORMATION:
; APPLICANT: George P. Vlasuk, Patric H. Stanssens,
; APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
; APPLICANT: Yves R. Laroche, Laurent S. Jespers,
; APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
; APPLICANT: Peter W. Bergum
; TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
; TITLE OF INVENTION: PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; STREET: Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 145:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and 5
OTHER INFORMATION: to 10 is an amino acid.
US-08-461-965-145

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 71
US-08-461-965-173
; Sequence 173, Application US/08461965

Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 173:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-461-965-173
Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 72
US-08-461-965-222
Sequence 222, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356

CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 222:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
OTHER INFORMATION: acid.
US-08-461-965-222
Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 73
US-08-461-965-271
Sequence 271, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Mensens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
acid.
US-08-461-965-271

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 74
US-08-461-965-325
Sequence 325, Application US/08461965
Patent No. 5872098
GENERAL INFORMATION:
APPLICANT: George P. Vlasuk, Patric H. Stanssens,
APPLICANT: Joris H.L. Menssens, Marc J. Lauwereys,
APPLICANT: Yves R. Laroche, Laurent S. Jespers,
APPLICANT: Yannick G.J. Gansemans, Matthew Moyle,
APPLICANT: Peter W. Bergum
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTICOAGULANT
TITLE OF INVENTION: PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/461,965
FILING DATE: June 5, 1995
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/326,110

FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 210/243
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 325:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
OTHER INFORMATION: locations 5 to 10 is an amino
acid.
US-08-461-965-325

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 4 CXXXXXX 10

RESULT 75
US-08-326-110A-76
Sequence 76, Application US/08326110A
Patent No. 5945275
GENERAL INFORMATION:
APPLICANT: GEORGE P. VLASUK; PATRICK ERIC
APPLICANT: HUGO STANSSENS; JORIS HILDA
APPLICANT: LIEVEN MESSENS; MARC JOZEF
APPLICANT: LAUWEREYS; YVES RENE LAROCHE;
APPLICANT: LAURENT STEPHANE JESPEERS; and
APPLICANT: YANNICK GEORGES JOZEF
TITLE OF INVENTION: NEMATODE-EXTRACTED ANTI-
TITLE OF INVENTION: COAGULANT PROTEIN
NUMBER OF SEQUENCES: 86
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
MEDIUM TYPE: storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: FastSeq Version 1.5
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/326,110A
FILING DATE: 18 OCTOBER 1994
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER:
FILING DATE:
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 208/290
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440

```

;
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 76:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in any location 1 to 3, or 5
; OTHER INFORMATION: to 10 is an amino acid.
;
US-08-326-110A-76

Query Match      57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.9e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy      1 CXXXXXX 7
        |||||
Db      4 CXXXXXX 10

Search completed: May 4, 2004, 06:53:03
Job time : 23 secs
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OM protein - protein search, using sw model

Run on: May 4, 2004, 06:53:08 ; Search time 41 Seconds
(without alignments)
67.607 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1138120 seqs, 277189581 residues

Total number of hits satisfying chosen parameters: 36

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : Published Applications AA:*
1: /cgn2_6/ptodata/1/pubpaa/US07_PUBCOMB.pep:*
2: /cgn2_6/ptodata/1/pubpaa/PCT_NEW_PUB.pep:*
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6: /cgn2_6/ptodata/1/pubpaa/PCTUS_PUBCOMB.pep:*
7: /cgn2_6/ptodata/1/pubpaa/US08_NEW_PUB.pep:*
8: /cgn2_6/ptodata/1/pubpaa/US08_PUBCOMB.pep:*
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10: /cgn2_6/ptodata/1/pubpaa/US09B_PUBCOMB.pep:*
11: /cgn2_6/ptodata/1/pubpaa/US09C_PUBCOMB.pep:*
12: /cgn2_6/ptodata/1/pubpaa/US09_NEW_PUB.pep:*
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15: /cgn2_6/ptodata/1/pubpaa/US10C_PUBCOMB.pep:*
16: /cgn2_6/ptodata/1/pubpaa/US10_NEW_PUB.pep:*
17: /cgn2_6/ptodata/1/pubpaa/US60_NEW_PUB.pep:*
18: /cgn2_6/ptodata/1/pubpaa/US60_PUBCOMB.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Query Match Length DB ID			Description
	Score	Match	Length	
1	26	100.0	10	US-09-932-613-11 Sequence 11, Appl
2	26	100.0	10	US-09-932-322-11 Sequence 11, Appl
3	26	100.0	10	US-09-825-517A-3 Sequence 3, Appli
4	26	100.0	10	US-09-825-517A-110 Sequence 110, App
5	26	100.0	10	US-10-046-922-33 Sequence 33, Appl
6	26	100.0	10	US-10-094-401-133 Sequence 133, App
7	26	100.0	10	US-10-396-073-21 Sequence 21, Appl
8	26	100.0	10	US-10-462-262-101 Sequence 101, App
9	17	65.4	10	US-09-364-597A-42 Sequence 42, Appl
10	17	65.4	10	US-09-498-272-200 Sequence 200, App
11	17	65.4	10	US-09-498-272-249 Sequence 249, App
12	17	65.4	10	US-09-498-272-299 Sequence 299, App
13	17	65.4	10	US-09-498-272-352 Sequence 352, App
14	17	65.4	10	US-09-922-227-39 Sequence 39, Appl
15	15	57.7	10	US-09-498-272-145 GENERAL INFORMA

16	15	57.7	10	US-09-498-272-173	Sequence 173, App
17	15	57.7	10	US-09-498-272-222	Sequence 222, App
18	15	57.7	10	US-09-498-272-271	Sequence 271, App
19	15	57.7	10	US-09-498-272-325	Sequence 325, App
20	15	57.7	10	US-09-861-101-6	Sequence 6, Appli
21	15	57.7	10	US-10-297-229-1	Sequence 1, Appli
22	14	53.8	10	US-10-013-815-74	Sequence 74, Appl
23	14	53.8	10	US-10-013-815-79	Sequence 79, Appl
24	13	50.0	10	US-09-781-988-19	Sequence 19, Appl
25	13	50.0	10	US-09-858-935B-67	Sequence 67, Appl
26	13	50.0	10	US-09-893-878-19	Sequence 19, Appl
27	13	50.0	10	US-09-896-095-19	Sequence 19, Appl
28	13	50.0	10	US-10-271-869-67	Sequence 67, Appl
29	13	50.0	10	US-10-098-093-18	Sequence 18, Appl
30	13	50.0	10	US-10-098-093-26	Sequence 26, Appl
31	13	50.0	10	US-10-013-815-75	Sequence 75, Appl
32	13	50.0	10	US-10-013-815-78	Sequence 78, Appl
33	13	50.0	10	US-10-126-685-19	Sequence 19, Appl
34	13	50.0	10	US-10-186-229-21	Sequence 21, Appl
35	13	50.0	10	US-10-127-028-19	Sequence 19, Appl
36	13	50.0	10	US-10-126-544-19	Sequence 19, Appl

ALIGNMENTS

RESULT 1
US-09-932-613-11
; Sequence 11, Application US/09932613
; Publication No. US20030091565A1
; GENERAL INFORMATION:
; APPLICANT: Human Genome Sciences, Inc.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Rosen, Craig A.
; TITLE OF INVENTION: BINDING POLYPEPTIDES AND METHODS BASED THEREON
; FILE REFERENCE: DYX-025.1 PCT; DYX-025.1 US
; CURRENT APPLICATION NUMBER: US/09/932,613
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: BLYS binding polypeptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably
; OTHER INFORMATION: r Pro);
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;

US-09-932-613-11

Query Match 100.0%; Score 26; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 2

US-09-932-322-11
; Sequence 11, Application US/09932322
; Publication No. US20030194743A1
; GENERAL INFORMATION:
; APPLICANT: Dyax Corp.
; APPLICANT: Beltzer, James P.
; APPLICANT: Potter, M. Daniel
; APPLICANT: Fleming, Tony J.
; APPLICANT: Ladner, Robert Charles
; TITLE OF INVENTION: BINDING POLYPEPTIDES FOR B LYMPHOCYTE STIMULATOR PROTEIN (Blys)
; FILE REFERENCE: Dyx-018.1 PCT; DYX-018.1 US
; CURRENT APPLICATION NUMBER: US/09/932,322
; CURRENT FILING DATE: 2001-08-17
; NUMBER OF SEQ ID NOS: 458
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 11
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Blys binding polypeptide
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asp, Gln, His, Ile, Leu, Lys, Met, Phe, or Thr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is His, Ile, Leu, Met, Phe, Pro, Trp, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Asp, His, Leu, or Ser (preferably Asp);
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Ala, Arg, Asp, Glu, Leu, Phe, Pro, or Thr (preferably Glu or Val)
; OTHER INFORMATION: X Pro);
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ala, Arg, Asn, or Leu (preferably Leu);
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ile, Leu, Met, Pro, Ser, or Thr (preferably Thr);
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: X8 is Ala, Arg, Asn, Gly, His, Lys, Ser, or Tyr;
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Ala, Arg, Asn, Gln, Leu, Met, Ser, Trp, Tyr, or Val;
US-09-932-322-11

Query Match

Best Local Similarity 100.0%; Score 26; DB 10; Length 10;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 3

US-09-825-517A-3
; Sequence 3, Application US/09825517A
; Publication No. US20030203415A1

GENERAL INFORMATION:

; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24
; PRIOR APPLICATION NUMBER: US 09/541,345
; PRIOR FILING DATE: 2000-04-03
; NUMBER OF SEQ ID NOS: 151
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 3
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: CEA binding loop
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa is Asn, Glu or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa is Asn, Leu, Met or Phe
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa is Asp, Gly, Ile, Lys, Phe or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa is Ala, Gln, Gly, Lys or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa is Arg, Asn, Asp, Glu or Gly
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)..(7)
; OTHER INFORMATION: Xaa is Gln, Gly or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)..(8)
; OTHER INFORMATION: Xaa is Ala, Trp or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)..(9)
; OTHER INFORMATION: Xaa is Ala, Gly, His, Phe, Thr or Val
US-09-825-517A-3

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXC 10

RESULT 4

US-09-825-517A-110
; Sequence 110, Application US/09825517A
; Publication No. US20030203415A1
; GENERAL INFORMATION:
; APPLICANT: Rondon, Issac J
; APPLICANT: Ladner, Robert C
; TITLE OF INVENTION: BINDING PEPTIDES FOR CARCINOEMBRYONIC
; TITLE OF INVENTION: ANTIGEN (CEA)
; FILE REFERENCE: DYX-016.1 (3421.1005-001)
; CURRENT APPLICATION NUMBER: US/09/825,517A
; CURRENT FILING DATE: 2003-03-24

;; PRIOR APPLICATION NUMBER: US 09/541,345
;; PRIOR FILING DATE: 2000-04-03
;; NUMBER OF SEQ ID NOS: 151
;; SOFTWARE: FastSeq for Windows Version 4.0
;; SEQ ID NO 110
;; LENGTH: 10

;; TYPE: PRT

;; ORGANISM: Artificial Sequence

;; FEATURE:
;; OTHER INFORMATION: Synthetic 16-mer microprotein analogue

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: 2
;; OTHER INFORMATION: X is Asn, Glu, Asp or Met

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: 3
;; OTHER INFORMATION: X is Leu, Phe, Tyr, Trp, Val, Met, Ile or Asn

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: 4
;; OTHER INFORMATION: X is Phe, Leu, Asp, Glu, Ala, Ile, Lys, Asn, Ser,
;; OTHER INFORMATION: Val, Trp, Tyr, Gly or Thr

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: 5
;; OTHER INFORMATION: X is Lys, Phe, Asp, Gly, Leu, Asn, Trp, Ala, Gln
;; OTHER INFORMATION: or Thr

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: 6
;; OTHER INFORMATION: X is Asn, Pro, Phe, Gly, Asp, Ala, Ser, Glu, Gln,
;; OTHER INFORMATION: Trp, His, Arg, Met, Val or Leu

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: (7)...(7)
;; OTHER INFORMATION: X is Gln, Lys, Leu or Gly

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: (8)...(8)
;; OTHER INFORMATION: X is Tyr, Trp or Ala

;; FEATURE:

;; NAME/KEY: VARIANT

;; LOCATION: (9)...(9)
;; OTHER INFORMATION: X is Phe, Thr, Met, Ser, Ala, Asn, Val, His, Ile,
;; OTHER INFORMATION: Pro, Trp, Tyr, Gly, Leu or Glu

US-09-825-517A-110

Query Match 100.0%; Score 26; DB 11; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10

Db 1 CXXXXXXXXXC 10

RESULT 5

US-10-046-922-33

;; Sequence 33, Application US/10046922

;; Publication No. US20020164667A1

;; GENERAL INFORMATION:

;; APPLICANT: Alitalo, Kari

;; APPLICANT: Koivunen, Erkki

;; APPLICANT: Kubo, Hajime

;; TITLE OF INVENTION: VEGFR-3 INHIBITOR MATERIALS AND METHODS

;; FILE REFERENCE: 28967/37084A

;; CURRENT APPLICATION NUMBER: US/10/046,922

;; CURRENT FILING DATE: 2002-01-15

;; NUMBER OF SEQ ID NOS: 80

;; SOFTWARE: PatentIn version 3.0

;; SEQ ID NO 33

;; LENGTH: 10

;; TYPE: PRT
;; ORGANISM: isolated peptide
;; FEATURE:
;; NAME/KEY: SITE
;; LOCATION: (2)...(2)
;; OTHER INFORMATION: X is glycine or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (3)...(3)
;; OTHER INFORMATION: X is tyrosine or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (4)...(4)
;; OTHER INFORMATION: X is tryptophan or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (5)...(5)
;; OTHER INFORMATION: X is leucine or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (6)...(6)
;; OTHER INFORMATION: X is threonine or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (7)...(7)
;; OTHER INFORMATION: X is isoleucine or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (8)...(8)
;; OTHER INFORMATION: X is tryptophan or a conservative substitution
;; NAME/KEY: SITE
;; LOCATION: (9)...(9)
;; OTHER INFORMATION: X is glycine or a conservative substitution
US-10-046-922-33

Query Match 100.0%; Score 26; DB 13; Length 10;

Best Local Similarity 100.0%; Pred. No. 0.35;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10

Db 1 CXXXXXXXXXC 10

RESULT 6

US-10-094-401-133

;; Sequence 133, Application US/10094401

;; Publication No. US20030069395A1

;; GENERAL INFORMATION:

;; APPLICANT: DYAX CORP.

;; APPLICANT: Sato, Aaron K.

;; APPLICANT: Ley, Arthur C.

;; APPLICANT: Cohen, Edward H.

;; TITLE OF INVENTION: SERUM ALBUMIN BINDING MOIETIES

;; FILE REFERENCE: DYX-026.2 PCT; DYX-026.2 US

;; CURRENT APPLICATION NUMBER: US/10/094,401

;; CURRENT FILING DATE: 2002-03-08

;; PRIOR APPLICATION NUMBER: 60/331,352

;; PRIOR FILING DATE: 2001-03-09

;; PRIOR APPLICATION NUMBER: 60/292,975

;; PRIOR FILING DATE: 2001-05-23

;; NUMBER OF SEQ ID NOS: 271

;; SOFTWARE: PatentIn version 3.1

;; SEQ ID NO 133

;; LENGTH: 10

;; TYPE: PRT

;; ORGANISM: Artificial Sequence

;; FEATURE:

;; OTHER INFORMATION: albumin binding peptide

;; NAME/KEY: MISC FEATURE

;; LOCATION: (2)...(2)

;; OTHER INFORMATION: Gln, Glu, Phe, or Met

;; NAME/KEY: MISC FEATURE

;; LOCATION: (3)...(3)

;; OTHER INFORMATION: Asp, Pro, or Thr

;; NAME/KEY: MISC FEATURE

;; LOCATION: (4)...(4)

;; OTHER INFORMATION: Ile, Ser, or Trp

;; NAME/KEY: MISC FEATURE

```
; LOCATION: (5)..(5)
; OTHER INFORMATION: His, Met, Phe or Pro
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: Asn, Leu, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: Arg, Asn, His, or Thr
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
; OTHER INFORMATION: Arg, Met, Phe, or Tyr
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: Asp, Gly, Phe, or Trp
US-10-094-401-133
```

```
Query Match      100.0%; Score 26; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CXXXXXXXXC 10
        |||||
Db       1 CXXXXXXXXC 10
```

RESULT 7

```
US-10-396-073-21
; Sequence 21, Application US/10396073
; Publication No. US2003020730A1
; GENERAL INFORMATION:
; APPLICANT: Wescott, Charles R.
; APPLICANT: Sato, Aaron K.
; TITLE OF INVENTION: FIBRINOGEN BINDING MOIETIES
; FILE REFERENCE: DYX-036.1 PCT; DYX-036.1 US
; CURRENT APPLICATION NUMBER: US/10/396,073
; CURRENT FILING DATE: 2003-03-25
; PRIOR APPLICATION NUMBER: US 60/367,645
; PRIOR FILING DATE: 2002-03-26
; NUMBER OF SEQ ID NOS: 48
; SOFTWARE: Patentin version 3.2
; SEQ ID NO 21
; LENGTH: 10
; TYPE: PRT
; ORGANISM: artificial
; FEATURE:
; OTHER INFORMATION: fibrinogen binding polypeptide
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: X2 is Asn, Met, or Ser
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (3)..(3)
; OTHER INFORMATION: X3 is Ala or Ser
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: X4 is Arg, Asn, or Tyr
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (5)..(5)
; OTHER INFORMATION: X5 is Pro, Thr, or Trp
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(6)
; OTHER INFORMATION: X6 is Ile, Met, or Tyr
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: X7 is Ala, His, or Ser
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (8)..(8)
```

```
; OTHER INFORMATION: X8 is Leu, Pro, or Tyr
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: X9 is Trp or Tyr
US-10-396-073-21
```

```
Query Match      100.0%; Score 26; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CXXXXXXXXC 10
        |||||
Db       1 CXXXXXXXXC 10
```

RESULT 8

```
US-10-462-262-101
; Sequence 101, Application US/10462262
; Publication No. US20040009534A1
; GENERAL INFORMATION:
; APPLICANT: Sato, Aaron K.
; APPLICANT: Dawson, Bruce M.
; TITLE OF INVENTION: PROTEIN ANALYSIS
; FILE REFERENCE: 10280-052001
; CURRENT APPLICATION NUMBER: US/10/462,262
; CURRENT FILING DATE: 2003-06-16
; PRIOR APPLICATION NUMBER: US 60/388,642
; PRIOR FILING DATE: 2002-06-14
; NUMBER OF SEQ ID NOS: 430
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 101
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: example of serum albumin-binding agents
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 2
; OTHER INFORMATION: Xaa = Gln, Glu, Phe, or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 3
; OTHER INFORMATION: Xaa = Asp, Pro, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 4
; OTHER INFORMATION: Xaa = Ile, Ser, or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 5
; OTHER INFORMATION: Xaa = His, Met, Phe or Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 6
; OTHER INFORMATION: Xaa = Asn, Leu, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)..(0)
; OTHER INFORMATION: Xaa = Arg, Asn, His, or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)..(0)
; OTHER INFORMATION: Xaa = Arg, Met, Phe, or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)..(0)
; OTHER INFORMATION: Xaa = Asp, Gly, Phe, or Trp
US-10-462-262-101
```

```
Query Match      100.0%; Score 26; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.35;
```


Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 9

US-09-364-597A-42
; Sequence 42, Application US/09364597A
; Patent No. US20020103130A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; APPLICANT: Koivunen, Erkki
; TITLE OF INVENTION: No. US20020103130A1e1 Integrin-Binding Peptides
; NUMBER OF SEQUENCES: 46
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: USA
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/364,597A
; FILING DATE: 30-JUL-1999
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/158,001
; FILING DATE: 24-NOV-1993
; APPLICATION NUMBER: US 08/286,861
; FILING DATE: 04-AUG-1994
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LA 3419
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (858) 535-9001
; TELEFAX: (858) 535-8949
; INFORMATION FOR SEQ ID NO: 42:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: both
; US-09-364-597A-42

Query Match 65.4%; Score 17; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXX 9
Db 1 CXXXXXXXXXX 9

RESULT 10

US-09-498-272-200
; Sequence 200, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven
; Lauwereys, Marc Josef
; Laroche, Yves Rene
; Jespers, Laurent Stephane
; Ganssemans, Yannick Georges Jozef

Moyle, Matthew
Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; INHIBITORS AND ANTICOAGULANT
; PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/498,272
; FILING DATE: 04-Feb-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 200:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; amino acid.
; SEQUENCE DESCRIPTION: SEQ ID NO: 200:
US-09-498-272-200

Query Match 65.4%; Score 17; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXX 9
Db 1 CXXXXXXXXXX 9

RESULT 11

US-09-498-272-249
; Sequence 249, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven

RESULT 13
US-09-498-272-352
; Sequence 352, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven
; Lauwereys, Marc Josef
; Laroché, Yves Rene
; Jespers, Laurent Stephane
; Gansemans, Yannick Georges Jozef
; Moyle, Matthew
; Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
; INHIBITORS AND ANTICOAGULANT
; PROTEIN
; NUMBER OF SEQUENCES: 356
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Lyon & Lyon
; STREET: 633 West Fifth Street
; Suite 4700
; CITY: Los Angeles
; STATE: California
; COUNTRY: U.S.A.
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
; storage
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: IBM P.C. DOS 5.0
; SOFTWARE: Word Perfect 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/498,272
; FILING DATE: 04-Feb-2000
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: PCT/US95/13231
; FILING DATE: October 17, 1995
; APPLICATION NUMBER: 08/486,399
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/486,397
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/465,380
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/461,965
; FILING DATE: June 5, 1995
; APPLICATION NUMBER: 08/326,110
; FILING DATE: October 18, 1994
; ATTORNEY/AGENT INFORMATION:
; NAME: BIGGS, SUZANNE L.
; REGISTRATION NUMBER: 30,158
; REFERENCE/DOCKET NUMBER: 216/270
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (213) 489-1600
; TELEFAX: (213) 955-0440
; TELEX: 67-3510
; INFORMATION FOR SEQ ID NO: 352:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; FRAGMENT TYPE: internal fragment
; FEATURE:
; OTHER INFORMATION: Xaa in locations 2 to 10 is an
; amino acid.
; SEQUENCE DESCRIPTION: SEQ ID NO: 352:
US-09-498-272-352
Query Match 65.4%; Score 17; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 9

Db 1 CXXXXXXXXX 9
RESULT 14
US-09-922-227-39
; Sequence 39, Application US/09922227
; Publication No. US20040071689A1
; GENERAL INFORMATION:
; APPLICANT: Ruoslahti, Erkki
; Pasqualini, Renata
; TITLE OF INVENTION: Method of Identifying Molecules That
; Home to a Selected Organ In Vivo
; NUMBER OF SEQUENCES: 44
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Campbell & Flores LLP
; STREET: 4370 La Jolla Village Drive, Suite 700
; CITY: San Diego
; STATE: California
; COUNTRY: United States
; ZIP: 92122
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/922,227
; FILING DATE: 02-Aug-2001
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 08/526,710
; FILING DATE: 11-SEP-1995
; APPLICATION NUMBER: US 08/813,273
; FILING DATE: 10-MAR-1997
; APPLICATION NUMBER: US 08/862,855
; FILING DATE: 23-MAY-1997
; APPLICATION NUMBER: US 09/227,906
; FILING DATE: 08-JAN-1999
; ATTORNEY/AGENT INFORMATION:
; NAME: Campbell, Cathryn A.
; REGISTRATION NUMBER: 31,815
; REFERENCE/DOCKET NUMBER: P-LJ 4859
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 535-9001
; TELEFAX: (619) 535-8949
; INFORMATION FOR SEQ ID NO: 39:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; SEQUENCE DESCRIPTION: SEQ ID NO: 39:
US-09-922-227-39
Query Match 65.4%; Score 17; DB 12; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+02;
Matches 9; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 9
Db 1 CXXXXXXXXX 9
RESULT 15
US-09-498-272-145
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven
; Lauwereys, Marc Josef
; Laroché, Yves Rene
; Jespers, Laurent Stephane

Gansemans, Yannick Georges Jozef
Moyle, Matthew
Bergum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT
PROTEIN

NUMBER OF SEQUENCES: 356

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700

CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/498,272

FILING DATE: 04-Feb-2000

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/13231

FILING DATE: October 17, 1995

APPLICATION NUMBER: 08/486,399

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/486,397

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/465,380

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/461,965

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/326,110

FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 216/270

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

SEQUENCE DESCRIPTION: SEQ ID NO: 145:

US-09-498-272-145

Query Match 57.7%; Score 15; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 16
US-09-498-272-173
; Sequence 173, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven
; Lauwereys, Marc Josef
; Laroche, Yves Rene
; Jespers, Laurent Stephane
; Gansemans, Yannick Georges Jozef
; Moyle, Matthew
; Bergum, Peter W.
; TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT

PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/498,272
FILING DATE: 04-Feb-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 173:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
locations 5 to 10 is an amino
acid.
SEQUENCE DESCRIPTION: SEQ ID NO: 173:
US-09-498-272-173

Query Match 57.7%; Score 15; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
| | | | |
Db 4 CXXXXXX 10

RESULT 17
US-09-498-272-222
; Sequence 222, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip
; Stanssens, Patrick Eric Hugo
; Messens, Joris Hilda Lieven
; Lauwereys, Marc Josef
; Laroche, Yves Rene
; Jespers, Laurent Stephane

Gansemans, Yannick Georges Jozef
Moyle, Matthew
Berghum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT
PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/498,272
FILING DATE: 04-Feb-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 271:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
locations 5 to 10 is an amino
acid.
SEQUENCE DESCRIPTION: SEQ ID NO: 271:
US-09-498-272-271
Query Match 57.7%; Score 15; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 18
US-09-498-272-271
; Sequence 271, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip

Gansemans, Yannick Georges Jozef
Moyle, Matthew
Berghum, Peter W.
TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE
INHIBITORS AND ANTICOAGULANT
PROTEIN
NUMBER OF SEQUENCES: 356
CORRESPONDENCE ADDRESS:
ADDRESSEE: Lyon & Lyon
STREET: 633 West Fifth Street
Suite 4700
CITY: Los Angeles
STATE: California
COUNTRY: U.S.A.
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5" Diskette, 1.44 Mb
storage
COMPUTER: IBM Compatible
OPERATING SYSTEM: IBM P.C. DOS 5.0
SOFTWARE: Word Perfect 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/498,272
FILING DATE: 04-Feb-2000
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/US95/13231
FILING DATE: October 17, 1995
APPLICATION NUMBER: 08/486,399
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/486,397
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/465,380
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/461,965
FILING DATE: June 5, 1995
APPLICATION NUMBER: 08/326,110
FILING DATE: October 18, 1994
ATTORNEY/AGENT INFORMATION:
NAME: BIGGS, SUZANNE L.
REGISTRATION NUMBER: 30,158
REFERENCE/DOCKET NUMBER: 216/270
TELECOMMUNICATION INFORMATION:
TELEPHONE: (213) 489-1600
TELEFAX: (213) 955-0440
TELEX: 67-3510
INFORMATION FOR SEQ ID NO: 222:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
FRAGMENT TYPE: internal fragment
FEATURE:
OTHER INFORMATION: Xaa in locations 1 to 3 and
locations 5 to 10 is an amino
acid.
SEQUENCE DESCRIPTION: SEQ ID NO: 222:
US-09-498-272-222
Query Match 57.7%; Score 15; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXX 7
Db 4 CXXXXXX 10
RESULT 18
US-09-498-272-271
; Sequence 271, Application US/09498272
; Publication No. US20030113890A1
; GENERAL INFORMATION:
; APPLICANT: Vlasuk, George Phillip

US-09-498-272-325

Sequence 325, Application US/09498272

Publication No. US20030113890A1

GENERAL INFORMATION:

APPLICANT: Vlasuk, George Phillip

Stanssens, Patrick Eric Hugo

Messens, Joris Hilda Lieven

Lauwereys, Marc Josef

Laroche, Yves Rene

Jespers, Laurent Stephane

Gansemans, Yannick Georges Josef

Moyle, Matthew

Bergum, Peter W.

TITLE OF INVENTION: NEMATODE-EXTRACTED SERINE PROTEASE

INHIBITORS AND ANTICOAGULANT

PROTEIN

NUMBER OF SEQUENCES: 356

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: Word Perfect 5.1

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/498,272

FILING DATE: 04-Feb-2000

PRIOR APPLICATION DATA:

APPLICATION NUMBER: PCT/US95/13231

FILING DATE: October 17, 1995

APPLICATION NUMBER: 08/486,399

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/486,397

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/465,380

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/461,965

FILING DATE: June 5, 1995

APPLICATION NUMBER: 08/326,110

FILING DATE: October 18, 1994

ATTORNEY/AGENT INFORMATION:

NAME: BIGGS, SUZANNE L.

REGISTRATION NUMBER: 30,158

REFERENCE/DOCKET NUMBER: 216/270

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 325:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

TOPOLOGY: linear

FRAGMENT TYPE: internal fragment

FEATURE:

OTHER INFORMATION: Xaa in locations 1 to 3 and

locations 5 to 10 is an amino

acid.

SEQUENCE DESCRIPTION: SEQ ID NO: 325:

US-09-498-272-325

Query Match

Best Local Similarity 57.7%; Score 15; DB 10; Length 10;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY

1 CXXXXXX 7

US-09-861-101-6

Sequence 6, Application US/09861101

Publication No. US20030018984A1

GENERAL INFORMATION:

APPLICANT: COLEMAN, MICHAEL

SCHWARTZ, ROBERT

DEMAYO, FRANCESCO J.

TITLE OF INVENTION: IGF-1 EXPRESSION SYSTEM AND

METHODS OF USE

NUMBER OF SEQUENCES: 6

CORRESPONDENCE ADDRESS:

ADDRESSEE: Lyon & Lyon

STREET: 633 West Fifth Street

Suite 4700

CITY: Los Angeles

STATE: California

COUNTRY: U.S.A.

ZIP: 90071-2066

COMPUTER READABLE FORM:

MEDIUM TYPE: 3.5" Diskette, 1.44 Mb

storage

COMPUTER: IBM Compatible

OPERATING SYSTEM: IBM P.C. DOS 5.0

SOFTWARE: FastSEQ for Windows 2.0

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/861,101

FILING DATE: 18-May-2001

CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

APPLICATION NUMBER: 08/974,572

FILING DATE: November 19, 1997

APPLICATION NUMBER: 60/031,539

FILING DATE: December 2, 1996

ATTORNEY/AGENT INFORMATION:

NAME: Warburg, Richard J.

REGISTRATION NUMBER: 32,327

REFERENCE/DOCKET NUMBER: 230/185-PCT

TELECOMMUNICATION INFORMATION:

TELEPHONE: (213) 489-1600

TELEFAX: (213) 955-0440

TELEX: 67-3510

INFORMATION FOR SEQ ID NO: 6:

SEQUENCE CHARACTERISTICS:

LENGTH: 10 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: protein

FEATURE:

OTHER INFORMATION: "Xaa" stands for either Ala or Thr.

SEQUENCE DESCRIPTION: SEQ ID NO: 6:

US-09-861-101-6

Query Match

Best Local Similarity 57.7%; Score 15; DB 12; Length 10;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY

1 CXXXXXX 7

Db

2 CXXXXXX 8

US-10-297-229-1

Sequence 1, Application US/10297229

Publication No. US20030220245A1

GENERAL INFORMATION:

APPLICANT: HUBBELL, Jeffrey A.

US-10-297-229-1

Query Match

Best Local Similarity 57.7%; Score 15; DB 10; Length 10;

Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY

1 CXXXXXX 7

APPLICANT: ELBERT, Donald
APPLICANT: SCHOENMAKERS, Ronald
TITLE OF INVENTION: CONJUGATE ADDITION REACTIONS FOR THE
TITLE OF INVENTION: CONTROLLED DELIVERY OF PHARMACEUTICALLY ACTIVE COMPOUNDS
FILE REFERENCE: 50154/003002
CURRENT APPLICATION NUMBER: US/10/297,229
CURRENT FILING DATE: 2002-10-02
PRIOR APPLICATION NUMBER: PCT/US01/18101
PRIOR FILING DATE: 2001-06-04
PRIOR APPLICATION NUMBER: US 09/586,937
PRIOR FILING DATE: 2000-06-02
NUMBER OF SEQ ID NOS: 77
SOFTWARE: FASTSEQ for Windows Version 4.0
SEQ ID NO 1
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Based on Homo sapiens
FEATURE:
NAME/KEY: VARIANT
LOCATION: (1)...(10)
OTHER INFORMATION: Xaa=any amino acid except Cys
US-10-297-229-1

Query Match 57.7%; Score 15; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.8e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXX 7
Db 2 CXXXXXX 8

RESULT 22
US-10-013-815-74
Sequence 74, Application US/10013815
Publication No. US20030105000A1
GENERAL INFORMATION:
APPLICANT: Pero, Stephanie
APPLICANT: Krag, David
APPLICANT: Oligino, Lyn
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
FILE REFERENCE: V0139/7048 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/013,815
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: US 60/245,755
PRIOR FILING DATE: 2000-11-03
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PatentIn version 3.1
SEQ ID NO 74
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: One Embodiment of General Formula
NAME/KEY: MISC_FEATURE
LOCATION: (3)...(3)
OTHER INFORMATION: Xaa = any amino acid
NAME/KEY: MISC_FEATURE
LOCATION: (5)...(9)
OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-74

Query Match 53.8%; Score 14; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 5 XXXXXC 10
Db 5 XXXXXC 10

RESULT 23
US-10-013-815-79
Sequence 79, Application US/10013815
Publication No. US20030105000A1
GENERAL INFORMATION:
APPLICANT: Pero, Stephanie
APPLICANT: Krag, David
APPLICANT: Oligino, Lyn
TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
FILE REFERENCE: V0139/7048 (HCL/MAT)
CURRENT APPLICATION NUMBER: US/10/013,815
CURRENT FILING DATE: 2001-11-05
PRIOR APPLICATION NUMBER: US 60/245,755
PRIOR FILING DATE: 2000-11-03
NUMBER OF SEQ ID NOS: 194
SOFTWARE: PatentIn version 3.1
SEQ ID NO 79
LENGTH: 10
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: One Embodiment of General Formula
NAME/KEY: MISC_FEATURE
LOCATION: (2)...(6)
OTHER INFORMATION: Xaa = any amino acid
NAME/KEY: MISC_FEATURE
LOCATION: (8)...(8)
OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-79

Query Match 53.8%; Score 14; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.8e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXX 6
Db 1 CXXXXX 6

RESULT 24
US-09-781-988-19
Sequence 19, Application US/09781988
Patent No. US20020150881A1
GENERAL INFORMATION:
APPLICANT: Ladner, Robert Charles
Guterman, Sonia Kosow
Roberts, Bruce Lindsay
Markland, William
Ley, Arthur Charles
Kent, Rachel Baribault
TITLE OF INVENTION: Directed Evolution of No. US20020150881A1e1
Binding Proteins
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street, N.W.
Suite 300
CITY: Washington,
STATE: DC
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 4.2
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/781,988
FILING DATE: 14-Feb-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 07/664,989
FILING DATE: <Unknown>

APPLICATION NUMBER: 07/487,063
FILING DATE: 02-MAR-1990
APPLICATION NUMBER: 07/240,160
FILING DATE: 02-SEP-1988
ATTORNEY/AGENT INFORMATION:
NAME: Cooper, Iver P.
REGISTRATION NUMBER: 28005
REFERENCE/DOCKET NUMBER: LADNER 7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-781-988-19

Query Match 50.0%; Score 13; DB 9; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
|
|
|
|
|
Db 3 CXXXX 7

RESULT 25

US-09-858-935B-67
; Sequence 67, Application US/09858935B
; Publication No. US20030069177A1
; GENERAL INFORMATION:
; APPLICANT: Dubaquié, Yves
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Lowman, Henry B.
; TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
; FILE REFERENCE: P1794R1
; CURRENT APPLICATION NUMBER: US/09/858,935B
; CURRENT FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US 60/248,985
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/204,490
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 67
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; FEATURE:
; NAME/KEY: Xaa
; LOCATION: 2-3, 6-9
; OTHER INFORMATION: Unknown amino acid
US-09-858-935B-67

Query Match 50.0%; Score 13; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
|
|
|
|
|
Db 6 XXXXC 10

RESULT 26

US-09-893-878-19
; Sequence 19, Application US/09893878
; Publication No. US20030113717A1
; GENERAL INFORMATION:
; APPLICANT: Ladner, Robert Charles

Guterman, Sonia Kosow
Roberts, Bruce Lindsay
Markland, William
Ley, Arthur Charles
Kent, Rachel Baribault
TITLE OF INVENTION: Directed Evolution of No. US20030113717A1e1
NUMBER OF SEQUENCES: 121
CORRESPONDENCE ADDRESS:
ADDRESSEE: Browdy and Neimark
STREET: 419 Seventh Street, N.W.
Suite 300
CITY: Washington,
STATE: DC
COUNTRY: USA
ZIP: 20004
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WORDPERFECT 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/893,878
FILING DATE: 29-Jun-2001
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/009,319
FILING DATE: <Unknown>
APPLICATION NUMBER: 07/664,989
FILING DATE: 01-MAR-1991
APPLICATION NUMBER: PCT/US89/03731
FILING DATE: 01-SEP-1989
APPLICATION NUMBER: 07/487,063
FILING DATE: 02-MAR-1990
APPLICATION NUMBER: 07/240,160
FILING DATE: 02-SEP-1988
ATTORNEY/AGENT INFORMATION:
NAME: Cooper, Iver P.
REGISTRATION NUMBER: 28005
REFERENCE/DOCKET NUMBER: LADNER 7
TELECOMMUNICATION INFORMATION:
TELEPHONE: 202-628-5197
TELEFAX: 202-737-3528
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 10 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-09-893-878-19

Query Match 50.0%; Score 13; DB 10; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
|
|
|
|
|
Db 3 CXXXX 7

RESULT 27

US-09-896-095-19
; Sequence 19, Application US/09896095
; Publication No. US20030219886A1
; GENERAL INFORMATION:
; APPLICANT: LADNER, Charles C.
; APPLICANT: GUTERMAN, Sonia K.
; APPLICANT: ROBERTS, Bruce L.
; APPLICANT: MARKLAND, William
; APPLICANT: LEY, Arthur C.
; APPLICANT: KENT, Rachel B.
; TITLE OF INVENTION: DIRECTED EVOLUTION OF NOVEL BINDING PROTEINS


```
; FILE REFERENCE: LADNER=7L
; CURRENT APPLICATION NUMBER: US/09/896,095
; CURRENT FILING DATE: 2001-06-29
; PRIOR APPLICATION NUMBER: 08/415,922
; PRIOR FILING DATE: 1995-03-04
; PRIOR APPLICATION NUMBER: 08/009,319
; PRIOR FILING DATE: 1993-01-26
; PRIOR APPLICATION NUMBER: 07/664,989
; PRIOR FILING DATE: 1991-03-01
; PRIOR APPLICATION NUMBER: 08/993,776
; PRIOR FILING DATE: 1997-12-18
; NUMBER OF SEQ ID NOS: 274
; SOFTWARE: PatentIn version 3.2
; SEQ ID NO 19
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial
; FEATURE:
; OTHER INFORMATION: synthetic - Class I microprotein library
; NAME/KEY: misc_feature
; LOCATION: (1)..(2)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (4)..(7)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; FEATURE:
; NAME/KEY: misc_feature
; LOCATION: (9)..(10)
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
; OTHER INFORMATION: Xaa can be any naturally occurring amino acid
US-09-896-095-19

Query Match          50.0%; Score 13; DB 11; Length 10;
Best Local Similarity 100.0%; Pred.No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXX 5
        |||||
Db       3 CXXXX 7

RESULT 28
US-10-271-869-67
; Sequence 67, Application US/10271869
; Publication No. US20030211992A1
; GENERAL INFORMATION:
; APPLICANT: Dubaquitte, Yves
; APPLICANT: Filvaroff, Ellen
; APPLICANT: Lowman, Henry B.
; TITLE OF INVENTION: METHOD FOR TREATING CARTILAGE DISORDERS
; FILE REFERENCE: P1794R1
; CURRENT APPLICATION NUMBER: US/10/271,869
; CURRENT FILING DATE: 2002-10-16
; PRIOR APPLICATION NUMBER: US/09/858,935
; PRIOR FILING DATE: 2002-07-02
; PRIOR APPLICATION NUMBER: US 60/248,985
; PRIOR FILING DATE: 2000-11-15
; PRIOR APPLICATION NUMBER: US 60/204,490
; PRIOR FILING DATE: 2000-05-16
; NUMBER OF SEQ ID NOS: 153
; SEQ ID NO 67
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; NAME/KEY: Xaa
; LOCATION: 2-3, 6-9
; OTHER INFORMATION: Unknown amino acid
US-10-271-869-67
```

```
Query Match          50.0%; Score 13; DB 12; Length 10;
Best Local Similarity 100.0%; Pred.No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 XXXXC 10
        |||||
Db       6 XXXXC 10

RESULT 29
US-10-098-093-18
; Sequence 18, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
; APPLICANT: Deshayes, Kurt D.
; APPLICANT: Lowman, Henry B.
; APPLICANT: Schaffer, Michelle L.
; APPLICANT: Sidhu, Sachdev S.
; TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
; FILE REFERENCE: P1863R1
; CURRENT APPLICATION NUMBER: US/10/098,093
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/275,904
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 18
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; NAME/KEY: Xaa
; LOCATION: 2-3, 6-9
; OTHER INFORMATION: Unknown amino acid
US-10-098-093-18

Query Match          50.0%; Score 13; DB 14; Length 10;
Best Local Similarity 100.0%; Pred.No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 XXXXC 10
        |||||
Db       6 XXXXC 10

RESULT 30
US-10-098-093-26
; Sequence 26, Application US/10098093
; Publication No. US20030092631A1
; GENERAL INFORMATION:
; APPLICANT: Deshayes, Kurt D.
; APPLICANT: Lowman, Henry B.
; APPLICANT: Schaffer, Michelle L.
; APPLICANT: Sidhu, Sachdev S.
; TITLE OF INVENTION: IGF ANTAGONIST PEPTIDES
; FILE REFERENCE: P1863R1
; CURRENT APPLICATION NUMBER: US/10/098,093
; CURRENT FILING DATE: 2002-03-13
; PRIOR APPLICATION NUMBER: US 60/275,904
; PRIOR FILING DATE: 2001-03-14
; NUMBER OF SEQ ID NOS: 122
; SEQ ID NO 26
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial sequence
; FEATURE:
; OTHER INFORMATION: Sequence is synthesized
; NAME/KEY: Xaa
; LOCATION: 1-2, 4-7, 9-10
; OTHER INFORMATION: Unknown amino acid
US-10-098-093-26

Query Match          50.0%; Score 13; DB 14; Length 10;
```

Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
| | | | |
Db 3 CXXXX 7

RESULT 31

US-10-013-815-75
; Sequence 75, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
; APPLICANT: Pero, Stephanie
; APPLICANT: Krag, David
; APPLICANT: Oligino, Lyn
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
; FILE REFERENCE: V0139/7048 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/013,815
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 60/245,755
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 75
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: One Embodiment of General Formula
; NAME/KEY: MISC_FEATURE
; LOCATION: (2)..(2)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MISC_FEATURE
; LOCATION: (4)..(4)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MISC_FEATURE
; LOCATION: (6)..(9)
; OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-75

Query Match 50.0%; Score 13; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
| | | | |
Db 6 XXXXC 10

RESULT 32

US-10-013-815-78
; Sequence 78, Application US/10013815
; Publication No. US20030105000A1
; GENERAL INFORMATION:
; APPLICANT: Pero, Stephanie
; APPLICANT: Krag, David
; APPLICANT: Oligino, Lyn
; TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR INHIBITING GRB7
; FILE REFERENCE: V0139/7048 (HCL/MAT)
; CURRENT APPLICATION NUMBER: US/10/013,815
; CURRENT FILING DATE: 2001-11-05
; PRIOR APPLICATION NUMBER: US 60/245,755
; PRIOR FILING DATE: 2000-11-03
; NUMBER OF SEQ ID NOS: 194
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 78
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: One Embodiment of General Formula
; NAME/KEY: MISC_FEATURE

; LOCATION: (2)..(5)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MISC_FEATURE
; LOCATION: (7)..(7)
; OTHER INFORMATION: Xaa = any amino acid
; NAME/KEY: MISC_FEATURE
; LOCATION: (9)..(9)
; OTHER INFORMATION: Xaa = any amino acid
US-10-013-815-78

Query Match 50.0%; Score 13; DB 14; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
| | | | |
Db 1 CXXXX 5

RESULT 33

US-10-126-685-19
; Sequence 19, Application US/10126685
; Publication No. US20030219722A1
; GENERAL INFORMATION:
; APPLICANT: Ladner, Robert Charles
; Guterman, Sonia Kosow
; Roberts, Bruce Lindsay
; Markland, William
; Ley, Arthur Charles
; Kent, Rachel Baribault
; TITLE OF INVENTION: Directed Evolution of No. US20030219722A1e1
; Binding Proteins
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
; Suite 300
; CITY: Washington,
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/126,685
; FILING DATE: 22-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/009,319
; FILING DATE: 1993-01-26
; APPLICATION NUMBER: 07/664,989
; FILING DATE: 01-MAR-1991
; APPLICATION NUMBER: PCT/US89/03731
; FILING DATE: 01-SEP-1989
; APPLICATION NUMBER: 07/487,063
; FILING DATE: 02-MAR-1990
; APPLICATION NUMBER: 07/240,160
; FILING DATE: 02-SEP-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Cooper, Iver P.
; REGISTRATION NUMBER: 28005
; REFERENCE/DOCKET NUMBER: LADNER 7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear

```

; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-126-685-19

Query Match      50.0%; Score 13; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXX 5
Db      3 CXXXX 7

RESULT 34
US-10-186-229-21
; Sequence 21, Application US/10186229
; Publication No. US20040001827A1
; GENERAL INFORMATION:
; APPLICANT: Dennis, Mark S.
; TITLE OF INVENTION: SERUM ALBUMIN BINDING PEPTIDES FOR TUMOR TARGETING
; FILE REFERENCE: 11669.108US01
; CURRENT APPLICATION NUMBER: US/10/186,229
; CURRENT FILING DATE: 2002-06-28
; NUMBER OF SEQ ID NOS: 425
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 21
; LENGTH: 10
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Peptides
; NAME/KEY: MISC.FEATURE
; LOCATION: (2)..(3)
; OTHER INFORMATION: Xaa is any naturally occurring L-amino acid
; FEATURE:
; NAME/KEY: MISC.FEATURE
; LOCATION: (6)..(9)
; OTHER INFORMATION: Xaa is any naturally occurring L-amino acid
US-10-186-229-21

Query Match      50.0%; Score 13; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      6 XXXXC 10
Db      6 XXXXC 10

RESULT 35
US-10-127-028-19
; Sequence 19, Application US/10127028
; Publication No. US20040005539A1
; GENERAL INFORMATION:
; APPLICANT: Ladner, Robert Charles
;             Guterman, Sonia Kosow
;             Roberts, Bruce Lindsay
;             Markland, William
;             Ley, Arthur Charles
;             Kent, Rachel Baribault
; TITLE OF INVENTION: Directed Evolution of No. US20040005539A1e1
;             Binding Proteins
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
;             Suite 300
; CITY: Washington,
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/126,544
```

```

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/127,028
; FILING DATE: 22-Apr-2002
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/08/009,319
; FILING DATE: 1993-01-26
; APPLICATION NUMBER: 07/664,989
; FILING DATE: 01-MAR-1991
; APPLICATION NUMBER: PCT/US89/03731
; FILING DATE: 01-SEP-1989
; APPLICATION NUMBER: 07/487,063
; FILING DATE: 02-MAR-1990
; APPLICATION NUMBER: 07/240,160
; FILING DATE: 02-SEP-1988
; ATTORNEY/AGENT INFORMATION:
; NAME: Cooper, Iver P.
; REGISTRATION NUMBER: 28005
; REFERENCE/DOCKET NUMBER: LADNER 7
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 202-628-5197
; TELEFAX: 202-737-3528
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 10 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: protein
; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-127-028-19

Query Match      50.0%; Score 13; DB 15; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXX 5
Db      3 CXXXX 7

RESULT 36
US-10-126-544-19
; Sequence 19, Application US/10126544
; Publication No. US20040023205A1
; GENERAL INFORMATION:
; APPLICANT: Ladner, Robert Charles
;             Guterman, Sonia Kosow
;             Roberts, Bruce Lindsay
;             Markland, William
;             Ley, Arthur Charles
;             Kent, Rachel Baribault
; TITLE OF INVENTION: Directed Evolution of No. US20040023205A1e1
;             Binding Proteins
; NUMBER OF SEQUENCES: 121
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Browdy and Neimark
; STREET: 419 Seventh Street, N.W.
;             Suite 300
; CITY: Washington,
; STATE: DC
; COUNTRY: USA
; ZIP: 20004
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WORDPERFECT 5.1
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/10/126,544
```

;; FILING DATE: 22-Apr-2002
;; CLASSIFICATION: <Unknown>
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US/08/009,319
;; FILING DATE: 1993-01-26
;; APPLICATION NUMBER: 07/664,989
;; FILING DATE: 01-MAR-1991
;; APPLICATION NUMBER: PCT/US89/03731
;; FILING DATE: 01-SEP-1989
;; APPLICATION NUMBER: 07/487,063
;; FILING DATE: 02-MAR-1990
;; APPLICATION NUMBER: 07/240,160
;; FILING DATE: 02-SEP-1988
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Cooper, Iver P.
;; REGISTRATION NUMBER: 28005
;; REFERENCE/DOCKET NUMBER: LADNER 7
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 202-628-5197
;; TELEFAX: 202-737-3528
;; INFORMATION FOR SEQ ID NO: 19:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 10 amino acids
;; TYPE: amino acid
;; TOPOLOGY: linear
;; MOLECULE TYPE: protein
;; SEQUENCE DESCRIPTION: SEQ ID NO: 19:
US-10-126-544-19

Query Match 50.0%; Score 13; DB 16; Length 10;
Best Local Similarity 100.0%; Pred. No. 8.3e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXX 5
Db 3 CXXX 7

Search completed: May 4, 2004, 06:58:52
Job time : 41 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 4, 2004, 06:50:57 ; Search time 52 Seconds
(without alignments)
54.336 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 28

Minimum DB seq length: 10
Maximum DB seq length: 10

Post-processing: Minimum Match 50%
Maximum Match 100%
Listing first 100 summaries

Database : A_Geneseq_29Jan04:*
1: Geneseqp1980s:*
2: Geneseqp1990s:*
3: Geneseqp2000s:*
4: Geneseqp2001s:*
5: Geneseqp2002s:*
6: Geneseqp2003as:*
7: Geneseqp2003bs:*
8: Geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	10	5 AAU70627	Aau70627 Carcinoem
2	26	100.0	10	5 AAU70520	Aau70520 Carcinoem
3	26	100.0	10	5 ABP53930	Abp53930 VEGFR-3 b
4	26	100.0	10	5 ABJ00553	Abj00553 B lymphoc
5	26	100.0	10	5 AAU79402	Aau79402 G-CSFR bi
6	26	100.0	10	5 ABG33414	Abg33414 B lymphoc
7	26	100.0	10	5 AAU98179	Aau98179 Prostate
8	16	61.5	10	7 ADE37057	Ade37057 CX7C libr
9	15	57.7	10	2 AAR88384	Aar88384 Influenza
10	15	57.7	10	3 AAB01531	Aab01531 Degenerat
11	15	57.7	10	5 AAU85661	Aau85661 Nucleophi
12	15	57.7	10	6 AAE31886	Aae31886 Androgen
13	14	53.8	10	4 AAB73068	Aab73068 Protein t
14	14	53.8	10	5 ABG68466	Abg68466 Growth fa
15	14	53.8	10	5 ABG68461	Abg68461 Growth fa
16	13	50.0	10	2 AAR76827	Aar76827 Generic g
17	13	50.0	10	4 AAB31822	Aab31822 Synthetic
18	13	50.0	10	4 AAG63739	Aag63739 Peptide l
19	13	50.0	10	5 ABG68465	Abg68465 Growth fa
20	13	50.0	10	5 ABG68462	Abg68462 Growth fa
21	13	50.0	10	5 ABB57651	Abb57651 Peptide m
22	13	50.0	10	5 ABG66157	Abg66157 Represent
23	13	50.0	10	5 AAE19557	Aae19557 Gammahep
24	13	50.0	10	5 ABJ15256	Abj15256 Insulin-l
25	13	50.0	10	6 ABR41963	Abr41963 Peptide w

26 13 50.0 10 6 AAE36134 Aae36134 Peptide w
27 13 50.0 10 6 AAE30352 Aae30352 Peptide #
28 13 50.0 10 7 ADD84811 Add84811 Synthetic

ALIGNMENTS

RESULT 1

AAU70627
ID AAU70627 standard; peptide; 10 AA.

XX
AC AAU70627;

XX
DT 14-FEB-2002 (first entry)

XX
DE Carcinoembryonic antigen representative binding peptide #4.

XX
KW Carcinoembryonic antigen; CEA; non-specific cross-reacting antigen; NCA;
adenocarcinoma; cancer; tumour; immunoreactive glycoprotein; indium;
KW technetium; cytostatic; phage display.

XX
OS Synthetic.

XX
PN WO200174849-A2.

XX
PD 11-OCT-2001.

XX
PF 03-APR-2001; 2001WO-US010689.

XX
PR 03-APR-2000; 2000US-00541345.

XX
PA (DYAX-) DYAX CORP.

XX
PI Rondon IJ, Ladner RC;

XX
DR WPI; 2002-049088/06.

XX
PT Novel carcinoembryonic antigen binding peptides for detecting, imaging,
localizing and targeting tumors exhibiting the antigen, especially for
PT treating colon cancer in humans and animals.

XX
PS Claim 1; Page 45; 119pp; English.

XX
CC The invention relates to a polypeptide having the ability to bind
carcinoembryonic antigen (CEA, an immunoreactive glycoprotein) which is
overexpressed in adenocarcinomas of endodermally derived digestive system
epithelia and foetal colon. The peptides do not react with non-specific
cross-reacting antigen NCA. The peptides, labeled with a radioactive
compound, such as indium or technetium are useful for detecting CEA in a
subject, which is indicative of CEA-associated disease and may be
conjugated with a therapeutic agent such as radioactive or
chemotherapeutic agent, toxin or enzyme is useful for treating a CEA
associated disease such as colon, lung, breast, cervical, ovarian,
stomach, bladder, pancreatic or oesophageal cancer in a subject. The
peptides are useful for imaging, localising and targeting tumours
exhibiting CEA by radioimaging, magnetic resonance imaging or X-ray
imaging. Phage products displaying the peptides are also useful for
detection and diagnosis of cancer associated with the expression of CEA
in cells and tissues. The present sequence is a representative peptide,
or an example of a library, of the CEA binding peptides of the invention

XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred.No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 CXXXXXXXC 10

Db 1 CXXXXXXXC 10

```
RESULT 2
AAU70520
ID AAU70520 standard; peptide; 10 AA.
XX
AC AAU70520;
XX
DT 14-FEB-2002 (first entry)
XX
DE Carcinoembryonic antigen representative binding peptide #3.
XX
KW Carcinoembryonic antigen; CEA; non-specific cross-reacting antigen; NCA;
KW adenocarcinoma; cancer; tumour; immunoreactive glycoprotein; indium;
KW technetium; cytostatic; phage display.
XX
OS Synthetic.
XX
PN WO200174849-A2.
XX
PD 11-OCT-2001.
XX
PF 03-APR-2001; 2001WO-US010689.
XX
PR 03-APR-2000; 2000US-00541345.
XX
PA (DYAX-) DYAX CORP.
XX
PI Rondon IJ, Ladner RC;
XX
DR WPI; 2002-049088/06.
XX
PT Novel carcinoembryonic antigen binding peptides for detecting, imaging,
PT localizing and targeting tumors exhibiting the antigen, especially for
PT treating colon cancer in humans and animals.
XX
PS Claim 3; Page 46; 119pp; English.
XX
CC The invention relates to a polypeptide having the ability to bind
CC carcinoembryonic antigen (CEA, an immunoreactive glycoprotein) which is
CC overexpressed in adenocarcinomas of endodermally derived digestive system
CC epithelia and foetal colon. The peptides do not react with non-specific
CC cross-reacting antigen NCA. The peptides, labeled with a radioactive
CC compound, such as indium or technetium are useful for detecting CEA in a
CC subject, which is indicative of CEA-associated disease and may be
CC conjugated with a therapeutic agent such as radioactive or
CC chemotherapeutic agent, toxin or enzyme is useful for treating a CEA
CC associated disease such as colon, lung, breast, cervical, ovarian,
CC stomach, bladder, pancreatic or oesophageal cancer in a subject. The
CC peptides are useful for imaging, localising and targeting tumours
CC exhibiting CEA by radioimaging, magnetic resonance imaging or X-ray
CC imaging. Phage products displaying the peptides are also useful for
CC detection and diagnosis of cancer associated with the expression of CEA
CC in cells and tissues. The present sequence is a representative peptide,
CC or an example of a library, of the CEA binding peptides of the invention
XX
SQ Sequence 10 AA;
Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10
RESULT 3
ABP53930
ID ABP53930 standard; peptide; 10 AA.
XX
AC ABP53930;
XX
DT 09-JAN-2003 (first entry)
XX
```

```
DE VEGFR-3 binding peptide SEQ ID NO:33.
XX
KW Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW vulnery; cell surface receptor; cancer; neovascularisation;
KW liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW diabetes; PDGF; platelet derived growth factor.
XX
OS Homo sapiens.
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 2 /note= "X is glycine or a conservative substitution"
FT Misc-difference 3 /note= "X is tyrosine or a conservative substitution"
FT Misc-difference 4 /note= "X is tryptophan or a conservative substitution"
FT Misc-difference 5 /note= "X is leucine or a conservative substitution"
FT Misc-difference 6 /note= "X is threonine or a conservative substitution"
FT Misc-difference 7 /note= "X is isoleucine or a conservative substitution"
FT Misc-difference 8 /note= "X is tryptophan or a conservative substitution"
FT Misc-difference 9 /note= "X is glycine or a conservative substitution"
XX
PN WO200257299-A2.
XX
PD 25-JUL-2002.
XX
PF 16-JAN-2002; 2002WO-IB0000099.
XX
PR 17-JAN-2001; 2001US-0262476P.
XX
PA (LUDW-) LUDWIG INST CANCER RES.
PA (LICN ) LICENTIA LTD.
XX
PI Alitalo K, Koivunen E, Kubo H;
XX WPI; 2002-691521/74.
XX
DR New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
XX diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
XX such as cancer and diseases of neovascularization.
XX
PS Claim 3; Page 78; 149pp; English.
XX
CC The present invention describes an isolated peptide (I) that binds to and
CC inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC antidiabetic and vulnery activities, and can be used in gene therapy.
CC Compositions and methods from the present invention are useful for
CC diagnosing, evaluating and treating disorders mediated by the activity of
CC the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC liver, spleen, kidney, lymph node, small intestine, blood cells,
CC pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC chronic hepatitis, haemangiomas and diabetes. The present sequence
CC represents a specifically claimed VEGFR-3 binding peptide from the
CC present invention
XX
SQ Sequence 10 AA;
Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXC 10
```

Db 1 CXXXXXXXXC 10

RESULT 4
ABJ00553
ID ABJ00553 standard; peptide; 10 AA.
XX
AC ABJ00553;
XX
DT 05-SEP-2002 (first entry)
XX
DE B lymphocyte stimulator protein binding peptide #4.
XX
KW B lymphocyte stimulator protein binding protein; BlyS; immune disease;
KW allergy; proliferative disease; infectious disease; arteriosclerosis;
KW inflammatory disorder; hypergammaglobulinaemia; blood clotting;
KW ischaemia; graft-versus-host disease; neurodegenerative disease;
KW immunosuppressive; nephrotropic; antirheumatic; antiarthritic;
KW neuroprotective; cytostatic; immunostimulant; antitumour; anti-HIV;
KW antiasthmatic; anti-allergic; thymimetic; antianaemic; haemostatic;
KW dermatological; anti-inflammatory; cardiant; ophthalmological; uropathic;
KW antidiabetic; antithyroid; antidepressant; hepatotropic.
XX
OS Unidentified.

Key Location/Qualifiers
FT Misc-difference 2 /label= Asp, Gln, His, Ile, Leu, Lys, Met, Phe, Thr
FT Misc-difference 3 /label= His, Ile, Leu, Met, Phe, Pro, Tyr, Trp
FT Misc-difference 4 /label= Asp, His, Leu, Ser
FT Misc-difference 5 /label= Ala, Arg, Asp, Glu, Leu, Phe, Pro, Thr
FT Misc-difference 6 /label= Ala, Arg, Asn, Leu
FT Misc-difference 7 /label= Ile, Leu, Met, Pro, Ser, Thr
FT Misc-difference 8 /label= Ala, Arg, Asn, Gly, His, Lys, Ser, Tyr
FT Misc-difference 9 /label= Ala, Asn, Arg, Gln, Leu, Met, Ser, Trp, Tyr, Val
XX
PN WO200216411-A2.
XX
PD 28-FEB-2002.
XX
PF 17-AUG-2001; 2001WO-US025850.
XX
PR 18-AUG-2000; 2000US-0226700P.
XX
PA (HUMA-) HUMAN GENOME SCI INC.
XX
PI Beltzer JP, Potter DM, Fleming TL, Rosen CA;
XX
DR WPI; 2002-499775/53.
XX
PT The treatment of various diseases e.g. rheumatoid arthritis, comprises
PT administering B Lymphocyte stimulator binding polypeptide.
XX
PS Claim 69; Page 234; 387pp; English.
XX
CC The present invention relates to the treatment, prevention or
CC amelioration of a disease or disorder associated with: aberrant B
CC lymphocyte stimulator (BlyS), BlyS receptor expression or activity; cells
CC of haematopoietic origin; or proliferative disease; and reducing,
CC inhibiting or stimulating immunoglobulin production, B cell proliferation
CC and graft rejection involving administration of BlyS binding polypeptide.
CC The BlyS binding polypeptides are used in the treatment, prevention or
CC amelioration of diseases such as immune system diseases, proliferative
CC diseases, diseases of cells of hematopoietic origin, graft rejection,
CC allergies, infectious diseases, arteriosclerosis, inflammatory disorders,
XX

CC hypergammaglobulinaemia, blood clotting disorders, ischaemia, and
CC neurodegenerative diseases. The present sequence is a B lymphocyte
CC stimulator protein binding peptide
XX
SQ Sequence 10 AA;
Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10

RESULT 5
AAU79402
ID AAU79402 standard; peptide; 10 AA.
XX
AC AAU79402;
XX
DT 02-JUL-2002 (first entry)
XX
DE G-CSFR binding generic peptide #1.
XX
KW G-CSFR; granulocyte-colony stimulating factor receptor; cytokine;
KW haematopoietic growth factor; neutrophil proliferation; AIDS;
KW neutrophil differentiation; acquired immunodeficiency syndrome;
KW chemotherapy-induced neutropaenia; community acquired pneumonia;
KW depressed neutrophil count; immunostimulant.
XX
OS Synthetic.

Key Location/Qualifiers
FT Misc-difference 2 /label= Ala, Asn, Ser, Phe, Asp, Gly, Leu, Thr, Glu, Val,
FT Pro, Gln, His, Met, Lys
FT /note= "Especially Asp or Pro"
FT Misc-difference 3 /label= Met, Gly, Arg, His, Asp, Ile, Val, Ala, Ser, Glu,
FT Asn, Phe, Tyr, Pro, Cys, Trp, Thr
FT /note= "Especially Asp or Pro"
FT Misc-difference 4 /label= Glu, Val, Trp, Phe, Met, Ala, Asn, Ser, Leu, Thr,
FT Tyr, Gly, Pro
FT /note= "Especially Glu or Trp"
FT Misc-difference 5 /label= Val, Ile, Gly, Gln, Trp, Met, Thr, Tyr, Pro, Leu,
FT Asp, Cys, Glu, Ala
FT /note= "Especially Val, Ile or Tyr"
FT Misc-difference 6 /label= Met, Glu, Trp, Leu, Pro, Asn, Ile, Thr, Val, Phe,
FT Tyr, Gln, Ser, Arg, Gly, His, Asp
FT /note= "Especially Met or Leu"
FT Misc-difference 7 /label= His, Ala, Trp, Tyr, Val, Phe, Gln, Met, Asn, Glu,
FT Ser, Asp, Pro, Gly
FT /note= "Especially Trp, Tyr or Phe"
FT Misc-difference 8 /label= Met, Phe, Tyr, Val, Asn, Leu, His, Asp, Ser, Trp,
FT Gly, Gln, Cys, Thr
FT /note= "Especially Met, Tyr or Asp"
FT Misc-difference 9 /label= Cys, Tyr, Arg, Ile, Lys, Trp, Leu, Glu, Met, His,
FT Ala, Thr, Phe, Asp, Pro, Gly, Gln
FT /note= "Especially Cys or Met"
XX
PN WO200207676-A2.
XX
PD 31-JAN-2002.
XX
PF 20-JUL-2001; 2001WO-US023046.
XX

PR 20-JUL-2000; 2000US-00620091.
XX (GLAX) GLAXO GROUP LTD.
PA
XX
PI Cwirla SE, Balu P, Duffin DJ, Piplani S, Mceowen-Merrill B;
PI Schatz PJ;
XX
XX
DR WPI; 2002-329382/36.
XX
XX Novel compounds, useful for treating depressed neutrophil count, comprise
PT peptide chains of approximately 6 to 40 amino acids in length that bind
PT to granulocyte-colony stimulating factor receptor.
XX
XX
PS Claim 1; Page 51; 90pp; English.
XX
XX The invention relates to compounds comprising a peptide chain
CC approximately 6 to 40 amino acids in length that binds to granulocyte-
CC colony stimulating factor receptor (G-CSFR). The compounds contain
CC specific sequences of the generic peptides appearing as AAU79402-AAU79406
CC and the generic sequences XV 1XV 2XV 3XV 4XV 5XV 6XV 7XV 8 (where XV 1 =
CC E, C, Q, V or Y; XV 2 = E, A, L, M, S, W or Q; XV 3 = K, R or T; XV 4 =
CC L, A or V; XV 5 = R, A, M, H, E, V, L, G, D, Q or S; XV 6 = E or V; XV 7
CC = A or G; and XV 8 = R, H, G or L) and XVI 1XVI 2XVI 3XVI 4XVI 5
CC EXVI 6XVI 7XVI 8XVI 9 (where XVI 1 = A, E or G; XVI 2 = E, H or D; XVI 3
CC = R or G; XVI 4 = K, Y, M, N, Q, R, D, I, S or E; XVI 5 = A, S or P;
CC XVI 6 = E, D, T, Q, K or A; XVI 7 = R, W, K, L, S, A or Q; XVI 8 = R or E
CC ; and XVI 9 = W, G or R). The compounds are used for treating conditions
CC associated with depressed neutrophil count e.g. chemotherapy- induced
CC neutropaenia, AIDS-induced neutropaenia or community-acquired pneumonia-
CC induced pneumonia. The compounds are useful as in vitro as tools for
CC understanding the biological role of granulocyte-colony stimulating
CC factor (G-CSF a haematopoietic growth factor and cytokine that stimulates
CC neutrophil proliferation and differentiation), including evaluation of
CC many factors thought to influence, and be influenced by, production of
CC white blood cells, in the development of compounds that bind to G-CSFR,
CC as reagents for detecting G-CSF receptor or related receptor on living
CC cells, fixed cells, in biological fluid, in tissue homogenates or in
CC purified natural biological materials, in situ staining, fluorescence-
CC activated cell sorting (FACS), Western blotting or enzyme-linked
CC immunoadsorptive assay (ELISA), in receptor purification or in purifying
CC cells expressing G-CSFR on the cell surface (or inside permeabilised
CC cells) as a commercial research reagent for various medical and
CC diagnostic uses or to treat a disease that would benefit from the ability
CC to of a compound to mimic the effects of G-CSF in vivo. The compounds
CC bind specifically to G-CSFR and allow for studies of biological
CC activities mediated by the receptor and for the treatment of diseases,
CC disorders and conditions that would benefit from activating or
CC inactivating G-CSFR. The present sequence is a G-CSFR binding generic
XX peptide of the invention
SQ Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10

RESULT 6
ABG33414
ID ABG33414 standard; peptide; 10 AA.
XX
AC ABG33414;
XX
DT 15-JUL-2002 (first entry)
XX
DE B Lymphocyte Stimulator (Blys) binding peptide #9.
XX
KW B Lymphocyte Stimulator protein; B Lymphocyte Stimulator binding peptide;
KW Blys; biological fluid; serum; plasma; lymph; blood; urine; spinal fluid;

synovial fluid; saliva; mucus.
Synthetic.
WO200216412-A2.
28-FEB-2002.
17-AUG-2001; 2001WO-US025891.
18-AUG-2000; 2000US-0226489P.
(DYAX-) DYAX CORP.
Beltzer JP, Potter MD, Fleming TJ, Ladner RC;
WPI; 2002-351647/38.
New B-lymphocyte stimulator binding polypeptide useful in detecting or
isolating Blys or Blys-like polypeptide comprises a specified amino acid
sequence.
Claim 9; Page 99; 269pp; English.
The invention relates to a B Lymphocyte Stimulator (Blys) binding
polypeptide. Blys binding peptides bind Blys or Blys-like proteins
reversibly or irreversibly. The binding peptides are used in detection,
isolation and/or purification of Blys in a solution such as water or a
buffer solution, as well as any fluid and/or cell obtained from an
individual biological fluid, body tissue, body cell, cell line, tissue
culture or other source containing Blys or Blys-like polypeptides. The
biological fluids include sera, plasma, lymph, blood, blood fraction,
urine, synovial fluid, spinal fluid, saliva and mucus. Sequences
ABG33406-33415, ABG33423-33575, ABG33588-33846, ABG33848-33850 and
ABG33852-33862 represent Blys binding peptides of the invention
Sequence 10 AA;

Query Match 100.0%; Score 26; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
Db 1 CXXXXXXXXC 10

RESULT 7
AAU98179
ID AAU98179 standard; peptide; 10 AA.
XX
AC AAU98179;
XX
DT 12-AUG-2002 (first entry)
XX
DE prostate specific antigen (PSA) formula I peptide.
XX
KW prostate specific antigen; PSA; binding agent; peptidomimetic;
KW prostatic disease; cytotoxic agent; gene therapy vector; imaging agent;
KW activation step; cytostatic.
XX
OS Synthetic.
XX
PH Key Location/Qualifiers
FT Misc-difference 2 /label= Val, Ile
FT Misc-difference 3 /label= Phe, Ile, Trp, Pro
FT Misc-difference 4 /label= Thr, Ser, Asp, Tyr, Ala, Phe, Pro, Leu, Gly, His,
FT Trp, Val, Ile
FT /note= "When Xaa at position 2 is Val, Xaa at position 3
FT is Phe and Xaa at position 7 is Tyr, Xaa at this position

CC interface between the target non-biological substrate and the target
CC biological substrate, or a non-binding domain substantially lacks binding
CC to a target biological substrate. (I) has cytosolic activity, and can be
CC used as a Tie2 receptor antagonist. The methods and compositions of the
CC present invention can be used in cell culture of fibroblasts, endothelial
CC cells, stem cells, embryonic and newborn tissue cells and osteoblasts, in
CC the preparation of biological arrays, in the enhancement of an
CC interaction between biological materials, for coating implants for in
CC vivo use, for coating donor transplant cells or tissues, for diagnostic
CC and therapeutic interface, and for modulating Tie2 receptors in tumour
CC angiogenesis. The present sequence is used in the exemplification of the
CC present invention.

XX SQ Sequence 10 AA;

Query Match 61.5%; Score 16; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.5e+03;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 8
| | | | |
Db 2 CXXXXXXX 9

RESULT 9
AAR88384
ID AAR88384 standard; peptide; 10 AA.

XX AC AAR88384;

XX DT 27-JUN-1996 (first entry)

XX DE Influenza palmitoylation inhibitor.

XX KW Haemagglutinin; palmitate; influenza; cytoplasmic domain; treatment;
XX KW palmitoylation; inhibitor; viral assembly.

XX OS Influenza virus.

XX FH Key Location/Qualifiers

FT Misc-difference 1 /note= "0-40 amino acids of haemagglutinin transmembrane
FT region upstream of the depicted sequence"

FT Misc-difference 3 /label= Ser, Asn

FT Misc-difference 4 /label= Lys, Ile, Met, Cys, Tyr

FT Misc-difference 5 /label= Gln, Arg

FT Misc-difference 6 /label= Cys, Phe

FT Misc-difference 7 /label= Arg, Asn, Gln, Thr, Met

FT Misc-difference 8 /label= Ile, Phe, Tyr

XX WO9532309-A1.

XX PD 30-NOV-1995.

XX PF 17-MAY-1995; 95WO-US006292.

XX PR 20-MAY-1994; 94US-00246643.

XX PA (MOUN) MOUNT SINAI SCHOOL MEDICINE.

XX PI Palese P;

XX DR WPI; 1996-020601/02.

XX PT Identifying cpds. that inhibit palmitoylation of influenza haemagglutinin
XX - and thus prodn. of influenza virus, potentially useful for treating
XX influenza.

XX PS Disclosure; Page 26; 60pp; English.
XX CC The present peptide is based on the cytoplasmic domain, opt. with 0-40
CC amino acids of the transmembrane region upstream of the depicted
CC sequence, of influenza haemagglutinin (HA). The peptide may be used to
CC compete with viral HA as the substrate of palmitoylation, and therefore
CC may be useful as an influenza HA palmitoylation inhibitor. Such an
CC inhibitor will interfere with viral assembly, but not with palmitate
CC biosynthesis (which is important for cellular metabolism and energy
CC prodn.) and is therefore a potentially useful influenza treatment

XX SQ Sequence 10 AA;

Query Match 57.7%; Score 15; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 4 XXXXXX 10
| | | | |
Db 3 XXXXXX 9

RESULT 10
AAB01531
ID AAB01531 standard; peptide; 10 AA.

XX AC AAB01531;

XX DT 08-NOV-2000 (first entry)

XX DE Degenerate telechelic peptide.

XX KW Polymer; biomaterial; conjugate; hydrogel; drug delivery; adhesive;
XX KW sealant; tissue engineering; wound healing; scaffold; cell transplant;
XX KW adhesion prevention.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Misc-difference 1 /note= "Any amino acid other than cysteine"

FT Misc-difference 3 /note= "Any amino acid other than cysteine"

FT Misc-difference 4 /note= "Any amino acid other than cysteine"

FT Misc-difference 5 /note= "Any amino acid other than cysteine"

FT Misc-difference 6 /note= "Any amino acid other than cysteine"

FT Misc-difference 7 /note= "Any amino acid other than cysteine"

FT Misc-difference 8 /note= "Any amino acid other than cysteine"

FT Misc-difference 10 /note= "Any amino acid other than cysteine"

XX WO200044808-A1.

XX PD 03-AUG-2000.

XX PF 01-FEB-2000; 2000WO-US002608.

XX PR 01-FEB-1999; 99US-0118093P.

XX PA (HUBB/) HUBBELL J A.

XX PI Hubbell JA, Elbert D, Lutolf M, Pratt A, Schoenmakers R;

XX PI Tirelli N, Vernon B;

XX DR WPI; 2000-524289/47.

XX PT Producing polymeric biomaterials by polymerizing two or more precursor

PT components (e.g. polymer, protein or peptide) of the biomaterial, useful
PT for delivering therapeutic molecules to a subject and as adhesives or
PT sealants.

PS Disclosure; Page 29; 119pp; English.

XX A method of making polymeric biomaterials is described comprising
CC combining two or more precursor components (e.g. polymer, protein or
CC peptide) of the biomaterial under conditions that allow polymerization of
CC the two components. Polymerization occurs through self selective reaction
CC between a strong nucleophile and a conjugated unsaturated bond or a
CC conjugated unsaturated group, by nucleophilic addition. The polymeric
CC hydrogels can be used in a variety of applications. They can be used to
CC deliver therapeutic molecules to a subject, as adhesives or sealants
CC (e.g. sealing air leaks on the lung), as tissue engineering and wound
CC healing scaffolds, and as cell transplant devices. The biomaterials are
CC also useful for adhesion prevention to minimise unwanted operative or
CC post-traumatic adhesions

XX Sequence 10 AA;

Query Match 57.7%; Score 15; DB 3; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 7
Db 2 CXXXXXXX 8

RESULT 11

AAU85661
ID AAU85661 standard; peptide; 10 AA.

XX

AC AAU85661;

XX 21-MAY-2002 (first entry)

XX Nucleophile containing peptide consensus sequence #1.

DE Biomaterial; vasotropic; anticoagulant; thrombolytic; vulnery;
KW infection; adhesion; thrombosis; restenosis; adhesive; sealant;
KW tissue engineering; wound healing scaffold; cell transplant device.

XX Synthetic.

OS WO200192584-A1.

XX 06-DEC-2001.

XX 04-JUN-2001; 2001WO-US018101.

XX 02-JUN-2000; 2000US-00586937.

XX (EIDG-) EIDGENOESSISCHE TECH HOCHSCHULE ZUERICH.
PA (UYZU-) UNIV ZURICH.

XX Hubbel JA, Elbert D, Schoenmakers R;

XX WPI; 2002-205802/26.

XX New biomaterial useful for medical treatment comprises an active or a
PT binding group and has an ester or amide bond onto the active or binding
PT group.

XX Disclosure; Page 66; 222pp; English.

XX The invention relates to a biomaterial comprising an active or a binding
CC group and has an ester or amide bond onto the active or binding group.

CC Also included is a biomaterial (II) formed from the cross-linking of at
CC least two precursor components of formula D-Y-C(O)-(CH₂)_n-S-(CH₂)₂-
CC COX-P', D-Y-C(O)-(CH₂)_n-NH-(CH₂)₂-COX-P', D-Y-C(O)-(CH₂)_n-NH-U-P, D
CC -Y-C(O)-(CH₂)_n-S-U-P', D-Y-C(O)-(CH₂)_n-S-L-S-CH₂-CH₂-CO-X-P', D-Y-

CC C(O)-(CH₂)_n-S-L-S-U-P', D-Y-C(O)-(CH₂)_n-NH-L-S-CH₂-CH₂-CO-X-P', D-Y-
CC -C(O)-(CH₂)_n-NH-L-S-U-P', D-Y-C(O)-(CH₂)_n-S-L-NH-CH₂-CH₂-CO-X-P',
CC D-Y-C(O)-(CH₂)_n-S-L-NH-U-P', D-Y-C(O)-(CH₂)_n-NH-L-NH-CH₂-CH₂-CO-X-
CC P'; or D-Y-C(O)-(CH₂)_n-NH-L-NH-U-P'. The half-life of the ester or
CC amide bond onto the active or binding group is 1 hour - 1 year in an
CC aqueous solution at pH 7.4 and 37 plusOC. Forming (II) involves (a)
CC attaching the active or binding compound to the linker molecule or
CC incorporating a nucleophilic amine or thiol into the active or binding
CC compound, (b) removing any thiol- or amine-protecting groups in the
CC linker (c) coupling a thiol, amine or alkene in the linker or
CC incorporated into the active or binding compound to the water soluble or
CC water swellable polymer containing conjugated unsaturated groups by a
CC conjugate addition reaction to form a precursor component and (d) cross-
CC linking the uncoupled conjugated unsaturated groups in at least one
CC precursor component. D = active or binding group; Y = O, NH or N; L =
CC linear or branched linker; X = O or N; P' = water-soluble or water -
CC swellable polymer containing conjugated unsaturated groups; U = product
CC of the addition of a nucleophile to an electrophile that is attached to
CC the water-soluble or water-swellable polymer; and n = 2 - 3. The
CC biomaterials are useful for treating or preventing disease, disorder or
CC infection in a mammal e.g. human, for preventing adhesions, thrombosis or
CC restenosis in a mammal and for delivering the active compound (preferably
CC protein or peptide) to a cell, tissue, organ, organ system or a body of a
CC mammal as adhesives or sealants, as tissue engineering and wound healing
CC scaffolds and as cell transplant devices. The bond of the biomaterial has
CC a half life of 1 hour - 1 year (preferably 1 day - 9 months, especially 2
CC days - 2 months) in an aqueous solution at pH 7.4 and 37plusOC. Thus the
CC biomaterial releases the therapeutic compound over a clinically relevant
CC time-frame. The present sequence is a consensus sequence for a peptide
CC containing reactive thiol (cysteines) groups suitable for inclusion in
CC the biomaterial of the invention
XX
SQ Sequence 10 AA;

Query Match 57.7%; Score 15; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 3.1e+03;
Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXX 7
Db 2 CXXXXXXX 8

RESULT 12

AAE31886
ID AAE31886 standard; peptide; 10 AA.

XX

AC AAE31886;

XX 07-MAR-2003 (first entry)

XX Androgen receptor binding peptide #137.

XX Androgen receptor; androgen-associated disorder; prostate cancer; acne;
KW benign prostatic hypertrophy; hirsutism; androgen insensitivity syndrome;
KW male pattern baldness; Stein-Leventhal syndrome; infertility; cytostatic;
KW X-linked spinal bulbar muscular atrophy; antiseborrheic; dermatological;
KW depilatory; androgen receptor binding peptide.

XX Unidentified.

XX Key Location/Qualifiers

FT Misc-difference 1

FT /note= "Linked to Xa-Y1; Where Xa is independently a
FT direct bond or a peptidic structure comprising from about
FT 1-25 amino acid residues and Y1 is hydrogen, alkyl or
FT acyl"

FT Misc-difference 2

FT /note= "Xaa is an aromatic amino acid or Thr"

FT Misc-difference 3

FT /label= Gly, Phe, Gln, Arg, Met, Trp

FT Misc-difference 4

FT /label= Asp, Glu

FT Misc-difference 5 /label= Asp, Glu
FT Misc-difference 7 /label= Tyr, Trp
FT Misc-difference 8 /label= Pro, Trp, Thr, Leu, Phe, Tyr, Met
FT Misc-difference 9 /label= His, Asp, Ser, Ala, Leu, Met, Trp
FT Misc-difference 10 /note= "Linked to Xb-Y2; Where Xb is independently a direct bond or a peptidic structure comprising from about 1-25 amino acid residues and Y2 is -OH, amino or monosubstituted or disubstituted amino"
XX
PN WO200272612-A2.
XX
PD 19-SEP-2002.
XX
PF 12-MAR-2002; 2002WO-US007487.
XX
PR 12-MAR-2001; 2001US-0275240P.
PR 28-JAN-2002; 2002US-0352399P.
XX
PA (PRAE-) PRAECIS PHARM INC.
XX
PI Joyal JL, Mueller J, Oza VB, Findeis MA;
XX
DR WPI; 2003-067363/06.
XX
XX New peptide modulators of androgen receptor, useful for treating androgen -associated disorder, e.g. prostate cancer, particularly hormonally refractive prostate cancer, colon cancer, lung cancer, acne, or hirsutism.
PS Claim 67; Page 41; 68pp; English.
XX
CC The present invention relates to novel peptide modulators of androgen receptor. The peptides of the invention are useful for treating androgen-associated disorders such as prostate cancer, particularly hormonally refractive prostate cancer, colon cancer, lung cancer, benign prostatic hyper trophy, acne, hirsutism, male pattern baldness, Stein-Leventhal syndrome, androgen insensitivity syndrome, infertility, endometrial cancer and X-linked spinal bulbar muscular atrophy. The present sequence is an androgen receptor binding peptide
XX
SQ Sequence 10 AA;
Query Match 57.7%; Score 15; DB 6; Length 10;
Best Local Similarity 90.0%; Pred. No. 3.1e+03;
Matches 9; Conservative 0; Mismatches 1; Indels 0; Gaps 0;
QY 1 CXXXXXXXC 10
DB 1 CXXXXGXXC 10
RESULT 13
AAB73068
ID AAB73068 standard; peptide; 10 AA.
XX
AC AAB73068;
XX
DT 17-MAY-2001 (first entry)
XX
DE Protein tyrosine phosphatase active site consensus motif.
XX
KW Protein phosphatase; signal transduction; trifluoromethyl sulfonyl; trifluoromethyl sulfonamido; diabetes; immune disorder;
KW rheumatoid arthritis; neurodegenerative disease; cancer; infection; osteoporosis.
XX
OS Unidentified.
XX

FH Key Location/Qualifiers
FT Misc-difference 1 /label= Ile, Val
FT Misc-difference 2.9 /label= Xaa
FT /note= "Xaa=unknown"
FT Misc-difference 10 /label= Ser, Thr
XX
PN WO200116097-A1.
XX
PD 08-MAR-2001.
XX
PF 25-AUG-2000; 2000WO-US023293.
XX
PR 27-AUG-1999; 99US-0150970P.
PR 12-NOV-1999; 99US-0165365P.
XX
PA (SUGE-) SUGEN INC.
XX
PI Huang P, Wei CC, Tang PC, Liang C, Ramphal J, Jallal B, Blitz J;
PI Li S, Mattson MN, McMahon G, Koenig M;
XX
DR WPI; 2001-202994/20.
XX
CC New aromatic and heterocyclic compounds containing trifluoromethylsulfonyl groups, used to treat cancers, diabetes, neurological degenerative diseases and osteoporosis, are protein tyrosine phosphatase inhibitors.
PS Disclosure; Page 15; 262pp; English.
XX
CC The present invention provides novel trifluoromethyl sulfonyl and trifluoromethyl sulfonamido compounds which modulate the activity of protein phosphatases. Protein phosphatases are involved in signal transduction, and the compounds can be used to treat diseases mediated by protein phosphatase action, including cancer, immune disorders such as anaemia and immunodeficiency, diabetes, rheumatoid arthritis, neurodegenerative diseases, infections and osteoporosis. The present sequence comprises a consensus sequence of the protein phosphatase active site
XX
SQ Sequence 10 AA;
Query Match 53.8%; Score 14; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXX 6
DB 3 CXXXXX 8
RESULT 14
ABG68466
ID ABG68466 standard; peptide; 10 AA.
XX
AC ABG68466;
XX
DT 07-OCT-2002 (first entry)
XX
DE Growth factor receptor-bound protein 7 antagonist example #20.
XX
KW Growth factor receptor-bound protein 7; Grb7; ligand; antagonist; cytostatic; cancer; phage display; tumour; metastasis; breast cancer; oesophageal cancer; kidney disorder; liver disorder; gonad disorder; breast disorder; oesophageal disorder; pancreatic disorder;
KW prostate disorder; small intestine disorder; placental disorder; colon disorder; ovary disorder; testicular disorder; lung disorder.
XX
OS Synthetic.
XX
PN WO200236142-A2.

XX PR 03-NOV-2000; 2000US-0245755P.
XX XX (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
PA XX
XX XX Krag DN, Pero SC, Oligino L;
PI XX WPI; 2002-547451/58.
XX XX
XX XX Treatment or prophylaxis of a subject having a disorder characterized by
PT abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT a non-phosphorylated peptide to a subject in need of the treatment.
XX XX
PS Disclosure; Page 118; 186pp; English.
XX XX The invention relates to treatment or prophylaxis (M1) of a subject
CC having a disorder characterised by abnormal interaction of Grb7 (Growth
CC factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC administering to a subject in need of the treatment, a non-phosphorylated
CC peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC Asn) or its functional equivalent, in an amount effective to inhibit the
CC disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC nucleic acids encoding the antagonists, an expression vector comprising
CC the nucleic acid, a host cell transformed or transfected with the vector,
CC screening (M2) a molecular library to identify a compound that inhibits
CC interaction between Grb7 and a peptide antagonist and a phage display
CC library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC treatment of a subject having a disorder characterised by abnormal
CC interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC gonads, breast, oesophagus, pancreas, prostate, small intestine, a
CC placenta, colon, ovary, testes and lung. The present sequence is a
CC generic example of a Grb7 peptide antagonist of the invention
XX SQ Sequence 10 AA;
SQ Query Match 53.8%; Score 14; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 5 XXXXXC 10
Db 5 XXXXXC 10
RESULT 16
AAR76827
ID AAR76827 standard; peptide; 10 AA.
XX AC AAR76827;
XX DT 08-MAY-1996 (first entry)
XX DE Generic glutathione-S-transferase binding peptide.
XX KW totally synthetic affinity reagent; vinculin; dynein; enzyme;
KW heterobifunctional binding fusion protein; glutathione S-transferase;
KW cancer treatment; nerve cell activity; modulate.
XX OS Synthetic.
XX FH Key Location/Qualifiers
FT Misc-difference 2 /label= Met, Leu
FT Misc-difference 3 /label= Gly, Asp
FT Misc-difference 4 /label= Asp, Glu
FT Misc-difference 5 /label= Asn, Ser, Asp
FT Misc-difference 8 /label= Trp, Lys, Gln, Asp
FT Misc-difference 9

XX PD 10-MAY-2002.
XX XX
XX PF 05-NOV-2001; 2001WO-US047400.
XX XX
XX PR 03-NOV-2000; 2000US-0245755P.
XX XX (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
PA XX
XX XX Krag DN, Pero SC, Oligino L;
PI XX WPI; 2002-547451/58.
XX XX Treatment or prophylaxis of a subject having a disorder characterized by
PT abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
PT a non-phosphorylated peptide to a subject in need of the treatment.
XX XX
PS Disclosure; Page 120; 186pp; English.
XX XX The invention relates to treatment or prophylaxis (M1) of a subject
CC having a disorder characterised by abnormal interaction of Grb7 (Growth
CC factor receptor-bound protein 7 and a Grb7 ligand, comprising
CC administering to a subject in need of the treatment, a non-phosphorylated
CC peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
CC Asn) or its functional equivalent, in an amount effective to inhibit the
CC disorder. Also included are peptide antagonists/inhibitors of Grb7,
CC nucleic acids encoding the antagonists, an expression vector comprising
CC the nucleic acid, a host cell transformed or transfected with the vector,
CC screening (M2) a molecular library to identify a compound that inhibits
CC interaction between Grb7 and a peptide antagonist and a phage display
CC library comprising Grb7 antagonists. M1 is useful for prophylaxis or
CC treatment of a subject having a disorder characterised by abnormal
CC interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
CC cancer, primary tumour or metastasis, or disorders in kidney, liver,
CC gonads, breast, oesophagus, pancreas, prostate, small intestine, a
CC placenta, colon, ovary, testes and lung. The present sequence is a
CC generic example of a Grb7 peptide antagonist of the invention
XX SQ Sequence 10 AA;
SQ Query Match 53.8%; Score 14; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 6.3e+03;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXX 6
Db 1 CXXXXX 6
RESULT 15
ABG68461
ID ABG68461 standard; peptide; 10 AA.
XX AC ABG68461;
XX DT 07-OCT-2002 (first entry)
XX DE Growth factor receptor-bound protein 7 antagonist example #15.
XX KW Growth factor receptor-bound protein 7; Grb7; ligand; antagonist;
KW cytosstatic; cancer; phage display; tumour; metastasis; breast cancer;
KW oesophageal cancer; kidney disorder; liver disorder; gonad disorder;
KW breast disorder; oesophageal disorder; pancreatic disorder;
KW prostate disorder; small intestine disorder; placental disorder;
KW colon disorder; ovary disorder; testicular disorder; lung disorder.
XX OS Synthetic.
XX PN WO200236142-A2.
XX XX
PD 10-MAY-2002.
XX XX
PF 05-NOV-2001; 2001WO-US047400.

FT XX /label= Asp, Ser, Gly, Met
PN WO9520601-A1.
XX
XX
PD 03-AUG-1995.
XX
PF 31-JAN-1995; 95WO-US001286.
XX
XX 31-JAN-1994; 94US-00189331.
XX (UYNC-) UNIV NORTH CAROLINA.
PA
XX Kay BK, Adey NB, Sparks AB;
PI WPI; 1995-275411/36.
XX
DR
XX
XX
PT Identifying peptide(s) that bind specifically to dynein, vinculin or
PT enzymes, eg. glutathione-S-transferase - by screening random peptide
PT libraries, useful e.g. in immunoassays, affinity purification., tumour
PT treatment, etc.
XX
PS Claim 28; Page 86-87; 110pp; English.
XX
CC AAR76827 defines a class of generic TSAR (Totally Synthetic Affinity
CC Reagent) library peptides, which bind specifically to glutathione-S-
CC transferase (GST). GST is a dimeric enzyme that conjugates glutathione to
CC various other substrates, including products of tissue damage and
CC carcinogens. Its role in the cell seems to be in detoxification. The
CC TSARS are new and/or improved heterofunctional binding fusion proteins
CC that have affinity for the ligand vinculin, and can be used to modulate
CC the activity of the ligand (or its binding proteins), e.g. in
CC biomedicine, catalysis, pharmaceuticals, etc. . Other TSARS can be
CC designed to bind dynein and glutathione-S-transferase. Typical
CC applications are: (i) inhibition of GST to treat cancers that produce
CC high levels of this enzyme; (ii) altering mobility/attachment of
CC malignant cells, modulating platelet release and blood clotting, for
CC TSARS directed against vinculin; (iii) TSARS against dynein are used to
CC modulate nerve cell activity, sperm motility, mobility of protozoa, etc
XX
SQ Sequence 10 AA;
Query Match 50.0%; Score 13; DB 2; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXX 5
Db 1 CXXXX 5
RESULT 17
AAB31822
ID AAB31822 standard; peptide; 10 AA.
XX
AC AAB31822;
XX
DT 15-MAY-2001 (first entry)
XX
DE Synthetic peptide which is able to bind fibrin.
XX
KW Fibrin; fibrin-binding peptide; deep-vein thrombosis; pulmonary embolism;
KW cardiogenic thrombosis; atherosclerosis; myocardial infarction; lupus;
KW reperfusion ischemia; stroke; peritoneal adhesion; rheumatoid arthritis;
KW septic arthritis; thrombotic thrombocytopenic purpura; hypoxia; tumour;
KW diabetic retinopathy; autoimmune disorder; inflammatory disorder.
XX
OS Synthetic.
XX
XX Key Location/Qualifiers
FT Misc-difference 3 /label= Asn, Asp
FT Misc-difference 6 /label= Gly, Tyr

FT Misc-difference 7 /label= His, Val
FT Misc-difference 8 /label= Pro, Trp
FT Misc-difference 9 /label= Trp, Tyr
XX
PN WO200109188-A1.
XX
PD 08-FEB-2001.
XX
PF 28-JUL-2000; 2000WO-US020612.
XX
PR 29-JUL-1999; 99US-0146425P.
XX (DYAX-) DYAX CORP.
PA (EPIX-) EPIX MEDICAL INC.
XX
PI Wescott CR, Nair SA, Kolodziej A, Beltzer JP;
XX WPI; 2001-210995/21.
XX
XX New fibrin-binding polypeptides useful for detection and treatment of
FT thrombotic disease.
XX
PS Claim 5; Page 71; 115pp; English.
XX
CC The present sequence represents a synthetic peptide which binds to
CC fibrin. Fibrin-binding peptides of the invention are useful for the
CC detection and treatment of deep-vein thrombosis, pulmonary embolism,
CC cardiogenic thrombosis, atherosclerosis, myocardial infarction,
CC reperfusion ischemia, stroke, peritoneal adhesions, rheumatoid arthritis,
CC lupus, septic arthritis, thrombotic thrombocytopenic purpura, hypoxia,
CC tumours, diabetic retinopathy, autoimmune and inflammatory disorders; and
CC for imaging by e.g. MRI (magnetic resonance imaging), ultrasound,
CC optical, sonoluminescence, photoacoustic or nuclear imaging techniques,
CC and localizing fibrin containing thrombi or other fibrin specific
CC pathophysiologicals. They are also useful for the detection, isolation or
CC purification of fibrin in or from a solution containing it
XX
SQ Sequence 10 AA;
Query Match 50.0%; Score 13; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 6 XXXXC 10
Db 6 XXXXC 10
RESULT 18
AAG63739
ID AAG63739 standard; peptide; 10 AA.
XX
AC AAG63739;
XX
DT 29-OCT-2001 (first entry)
XX
DE Peptide library for identification of IGF-1 agonists.
XX
KW Insulin-like growth factor; IGF; IGF-1; IGF binding protein; IGFBP;
KW hyperglycemic disorder; obesity-related disorder; neurological disorder;
KW cardiac disorder; anabolic disorder; renal disorder; neuroprotection;
KW immunological disorder; kidney regeneration; degenerative disorder;
KW hypoxia; wound healing; cardiac regeneration; cancer; angiogenesis;
KW metabolic stress; growth hormone deficiency; diabetes; short stature;
KW osteoporosis; obesity.
XX
OS Synthetic.
XX
XX Key Location/Qualifiers
FT Misc-difference 1. .10

/note= "Xaa represent unspecified residues"

FT XX US6251865-B1.
PN XX 26-JUN-2001.
PD XX 31-MAR-1998; 98US-00052888.
XX XX 04-APR-1997; 97US-00825852.
PR XX (GETH) GENENTECH INC.
XX XX Clark RG, Lowman HB, Robinson ICAF;
PI XX WPI; 2001-520042/57.
XX XX Isolated peptides used to increase serum and tissue levels of insulin-like growth factor in those with hyperglycemic, obesity-related, neurological, cardiac, anabolic, renal or immunological disorders.
XX XX Example 7; Col 53; 108pp; English.
XX XX The present sequence was used to construct a peptide library for identification of peptides which inhibit the binding of insulin-like growth factor (IGF)-1 to IGF binding proteins (IGFBP). IGF agonist peptides are used to increase serum and tissue levels of IGF-1 in mammals with hyperglycemic, obesity-related, neurological, cardiac, anabolic, renal or immunological disorders. They may also be used to increase whole body, bone and muscle growth rate in normal and hypopituitary animals, to protect body weight and nitrogen loss during catabolic states, kidney regeneration, to treat peripheral and central nervous system (CNS) degenerative disorders and promote neuroprotection or repair following CNS damage or injury, to treat hypoxia, to promote wound healing, for cardiac regeneration, to reverse cancer cachexia, to inhibit angiogenesis, to regenerate the gastrointestinal tract, to stimulate mammary function, to counteract IGF-1-dependent actions of growth hormone such as metabolic stress, age-related decline in growth hormone activity and adult growth hormone deficiency, to treat maturity onset diabetes and/or to treat specific IGF deficiency. They may also be used to treat growth-hormone resistant short stature, growth hormone insensitivity syndrome, osteoporosis and catabolic states, and reduce obesity

Sequence 10 AA;
Query Match 50.0%; Score 13; DB 4; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
Db 6 XXXXC 10

RESULT 19
ABG68465
ID ABG68465 standard; peptide; 10 AA.
XX AC ABG68465;
XX DT 07-OCT-2002 (first entry)
XX DE Growth factor receptor-bound protein 7 antagonist example #19.
XX XX Growth factor receptor-bound protein 7; Grb7; ligand; antagonist; cytostatic; cancer; phage display; tumour; metastasis; breast cancer; oesophageal cancer; kidney disorder; liver disorder; gonad disorder; breast disorder; oesophageal disorder; pancreatic disorder; prostate disorder; small intestine disorder; placental disorder; colon disorder; ovary disorder; testicular disorder; lung disorder.
XX OS Synthetic.
XX PN WO200236142-A2.

XX 10-MAY-2002.
XX 05-NOV-2001; 2001WO-US047400.
XX 03-NOV-2000; 2000US-0245755P.
XX (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX Krag DN, Pero SC, Oligino L;
XX WPI; 2002-547451/58.
XX Treatment or prophylaxis of a subject having a disorder characterized by abnormal interaction of Grb7 and a Grb7 ligand, involves administering to a non-phosphorylated peptide to a subject in need of the treatment.
XX Disclosure; Page 120; 186pp; English.
XX The invention relates to treatment or prophylaxis (M1) of a subject having a disorder characterised by abnormal interaction of Grb7 (Growth factor receptor-bound protein 7 and a Grb7 ligand, comprising administering to a subject in need of the treatment, a non-phosphorylated peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-Asn) or its functional equivalent, in an amount effective to inhibit the disorder. Also included are peptide antagonists/inhibitors of Grb7, nucleic acids encoding the antagonists, an expression vector comprising the nucleic acid, a host cell transformed or transfected with the vector, screening (M2) a molecular library to identify a compound that inhibits interaction between Grb7 and a peptide antagonist and a phage display library comprising Grb7 antagonists. M1 is useful for prophylaxis or treatment of a subject having a disorder characterised by abnormal interaction of Grb7 and a Grb7 ligand, including breast or oesophageal cancer, primary tumour or metastasis, or disorders in kidney, liver, gonads, breast, oesophagus, pancreas, prostate, small intestine, placenta, colon, ovary, testes and lung. The present sequence is a generic example of a Grb7 peptide antagonist of the invention

Sequence 10 AA;
Query Match 50.0%; Score 13; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
Db 1 CXXXX 5

RESULT 20
ABG68462
ID ABG68462 standard; peptide; 10 AA.
XX AC ABG68462;
XX DT 07-OCT-2002 (first entry)
XX DE Growth factor receptor-bound protein 7 antagonist example #16.
XX XX Growth factor receptor-bound protein 7; Grb7; ligand; antagonist; cytostatic; cancer; phage display; tumour; metastasis; breast cancer; oesophageal cancer; kidney disorder; liver disorder; gonad disorder; breast disorder; oesophageal disorder; pancreatic disorder; prostate disorder; small intestine disorder; placental disorder; colon disorder; ovary disorder; testicular disorder; lung disorder.
XX OS Synthetic.
XX PN WO200236142-A2.
XX PD 10-MAY-2002.
XX XX 05-NOV-2001; 2001WO-US047400.

XX 03-NOV-2000; 2000US-0245755P.
XX (UYVE-) UNIV VERMONT & STATE AGRIC COLLEGE.
XX Krag DN, Pero SC, Oligino L;
XX WPI; 2002-547451/58.
XX Treatment or prophylaxis of a subject having a disorder characterized by
XX abnormal interaction of Grb7 and a Grb7 ligand, involves administering to
XX a non-phosphorylated peptide to a subject in need of the treatment.
XX Disclosure; Page 118; 186pp; English.
XX The invention relates to treatment or prophylaxis (M1) of a subject
XX having a disorder characterized by abnormal interaction of Grb7 (Growth
XX factor receptor-bound protein 7 and a Grb7 ligand, comprising
XX administering to a subject in need of the treatment, a non-phosphorylated
XX peptide comprising a sequence (S1, Tyr-Ala-Asn, Tyr-Glu-Asn and Tyr-Asp-
XX Asn) or its functional equivalent, in an amount effective to inhibit the
XX disorder. Also included are peptide antagonists/inhibitors of Grb7,
XX nucleic acids encoding the antagonists, an expression vector comprising
XX the nucleic acid, a host cell transformed or transfected with the vector,
XX screening (M2) a molecular library to identify a compound that inhibits
XX interaction between Grb7 and a peptide antagonist and a phage display
XX library comprising Grb7 antagonists. M1 is useful for prophylaxis or
XX treatment of a subject having a disorder characterized by abnormal
XX interaction of Grb7 and a Grb7 ligand, including breast or oesophageal
XX cancer, primary tumour or metastasis, or disorders in kidney, liver,
XX gonads, breast, oesophagus, pancreas, prostate, small intestine,
XX placenta, colon, ovary, testes and lung. The present sequence is a
XX generic example of a Grb7 peptide antagonist of the invention
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
Db 6 XXXXC 10

RESULT 21
ABB57651
ID ABB57651 standard; peptide; 10 AA.
AC ABB57651;
XX 18-MAR-2002 (first entry)

DE Peptide motif #10 used in peptide library.
XX Antirheumatic; antiarthritic; osteopathic; cartilage disorder;
KW insulin-like growth factor; IGF; binding protein; IGFBP;
KW rheumatoid arthritis; osteoarthritis.
XX Synthetic.
OS WO200187323-A2.
PN 22-NOV-2001.
XX 16-MAY-2001; 2001WO-US015904.
XX 16-MAY-2000; 2000US-0204490P.
PR 15-NOV-2000; 2000US-0248985P.
XX (GETH) GENENTECH INC.
PA Dubaqui Y, Filvaroff EH, Lowman HB;

XX WPI; 2002-082942/11.
XX Treating cartilage disorders including cartilage damage by injury or
XX degenerative cartilaginous disorders, by contacting cartilage with
XX insulin-like growth factor analog with altered affinity for IGF-binding
XX proteins.
XX Example 1; Page 40; 136pp; English.
XX The present invention relates to a method for treating cartilage
XX disorders. The method comprises contacting cartilage with an active agent
XX such as insulin-like growth factor (IGF-1) analog with a binding affinity
XX preference for IGF binding protein-3 (IGFBP-3) over IGFBP-1, an IGF-1
XX analog with a binding affinity preference for IGFBP-1 over IGFBP-3, or a
XX IGFBP displacer peptide that prevents the interaction of IGF with an
XX IGFBP and does not bind to human IGF receptor. The method is useful for
XX treating cartilage disorders (CD), including degenerative CD, articular
XX CD such as rheumatoid arthritis and osteoarthritis. The present sequence
XX was used to illustrate the invention
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
Db 6 XXXXC 10

RESULT 22
ABG66157
ID ABG66157 standard; peptide; 10 AA.
XX ABB57651;
XX 29-AUG-2002 (first entry)

DE Representative peptide of phage displayed g8 library 508.
XX IGE receptor; immunoglobulin; FcepsilonRI; antagonist; phage display;
KW protein co-ordinate data; IGE-mediated disease; allergic rhinitis;
KW asthma; allergic asthma; atopic dermatitis; urticaria-angioedema;
KW parasitic infection; IGE myeloma; immune-related disorder;
KW inflammatory disorder; diabetes mellitus; reperfusion injury; stroke;
KW IGE-mediated gastrointestinal inflammatory disease; burn;
KW immune rejection of graft; myocardial infarction; atherosclerosis;
KW acute lung injury; haemorrhagic shock; septic shock;
KW acute tubular necrosis; endometriosis; degenerative joint disease;
KW pancreatitis.
XX Synthetic.
OS WO200226781-A2.
PN 04-APR-2002.
XX 26-SEP-2001; 2001WO-US030289.
XX 26-SEP-2000; 2000US-0235353P.
PR 23-MAR-2001; 2001US-0278540P.
XX (GETH) GENENTECH INC.
XX Lowman HB, Reynolds ME, Nakamura GR, Starovassnik MA;
XX WPI; 2002-444016/47.
XX A peptide useful for treating a IGE-mediated disease or disorder in a
XX host e.g. allergic rhinitis, asthma, which competes with immunoglobulin E
XX for binding to high affinity IGE receptor in an in vitro assay.

XX PS Example 7; Page 100; 328pp; English.

XX CC The invention relates to a peptide which competes with immunoglobulin

CC (Ig) E 134 comprising a sequence (S1), for binding the high affinity IGE

CC receptor (FcεsilonRI) in an in vitro assay and having a formula given in

CC the specification. Also included are a fusion protein comprising the

CC peptide, a pharmaceutical composition (C) comprising the peptide,

CC designing a compound that mimics the three-dimensional surface structure

CC of the peptide, a compound with a solvent accessible surface that mimics

CC the solvent accessible surface defined by the side chains of residues (R)

CC Pro4, Phe6, Pro16, Cys3, Cys7, Cys15 and Cys19 of IGE134, a peptide with

CC structural coordinates as given in the specification, selecting a peptide

CC mimetic which binds to FcεsilonRI and blocks binding of IGE and a

CC peptide mimetic which mimics the coordinates of IGE134 residues (R). (C)

CC is useful for inhibiting the binding of IGE to high affinity IGE receptor

CC (FcεsilonRI). Peptides of the formula given in the specification are

CC useful for inhibiting the binding of an IGE to high affinity IGE

CC receptor. The peptide is useful for selecting a molecule which blocks the

CC interaction of IGE with high affinity IGE receptor. The peptide is also

CC useful for inhibiting the activation of high affinity IGE receptor. The

CC peptide is useful for treating an IGE-mediated disease or disorder in a

CC host. (C) is useful in research, diagnostic, therapeutic and prophylactic

CC methods. The peptide is also useful for inhibiting IGE-mediated or

CC associated processes such as IGE-dependent activation and degranulation

CC of mast cells and basophils, as well as consequent release of

CC inflammatory mediators such as histamine. (C) is useful for treating

CC allergic rhinitis, asthma (e.g. allergic asthma), atopic dermatitis,

CC urticaria-angioedema, parasitic infection, IGE myeloma, immune-related

CC disorders, inflammatory disorders, diabetes mellitus, IGE-mediated

CC gastrointestinal inflammatory disease, immune rejection of grafts,

CC reperfusion injury, stroke, myocardial infarction, atherosclerosis, acute

CC lung injury, haemorrhagic shock, burn, septic shock, acute tubular

CC necrosis, endometriosis, degenerative joint disease and pancreatitis. The

CC present sequence is a representative sequence for a peptide of the

CC invention (or a library of peptides of the invention)

XX SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
Db 3 CXXXX 7

RESULT 23

AAE19557
ID AAE19557 standard; protein; 10 AA.

XX AAE19557;

DT 29-AUG-2003 (revised)

DT 07-AUG-2003 (revised)

DT 31-MAY-2002 (first entry)

XX Gammaherpes virus subfamily zinc-finger motif.

DE Herpes virus infection; detection; therapy; zinc-finger motif; antiviral.

XX Viruses.

XX Key Location/Qualifiers

FT Misc-difference 2.4

FT /label= Unknown

FT Misc-difference 6.9

FT /label= Unknown

XX WO200204492-A2.

XX 17-JAN-2002.

XX

PF 11-JUL-2001; 2001WO-GB003114.

XX 11-JUL-2000; 2000GB-00016890.

PR (UNIU) UNIV GLASGOW.

XX Clements JB, Maclean AR;

XX WPI; 2002-226983/28.

DR Detecting an agent useful for treating herpes virus infection comprises

XX determining any change in a polypeptide/zinc complex in the presence of

XX the test agent.

PS Claim 9; Page 29; 43pp; English.

XX The invention relates to a method of detecting an agent for use in the

XX treatment of herpes virus infection. The method comprises forming a

XX herpes virus polypeptide/zinc complex; adding a test agent to the

XX polypeptide/zinc complex; and detecting any change in the complex. The

XX invention also relates to the use of known agents, such as 2,2'-

XX dithiobisbenzamide (DTBA) and azodicarbonamide (ADA), and unknown agents

XX for the manufacture of a medicament for the treatment of herpes virus

XX infections. The method is useful for detecting agents for use in the

XX treatment of herpes virus infection. The present sequence is Gammaherpes

XX virus subfamily zinc-finger motif of herpes virus IE63 functional

XX homologue. (Updated on 07-AUG-2003 to correct OS field.) (Updated on 29-

XX AUG-2003 to standardise OS field)

XX SQ Sequence 10 AA;

Query Match

Best Local Similarity 50.0%; Score 13; DB 5; Length 10;

Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5

Db 5 CXXXX 9

RESULT 24

ABJ15256

ID ABJ15256 standard; peptide; 10 AA.

XX ABJ15256;

DT 16-JAN-2003 (first entry)

XX Insulin-like growth factor related peptide SEQ ID No 18.

DE Cytostatic; antidiabetic; osteopathic; vasotropic; tranquiliser; IGF-1;

XX vulnary; antisthmatic; ophthalmological; antagonist; ischemic injury;

XX insulin-like growth hormone 1; IGF; cancer; diabetic; nephropathy;

XX diabetic retinopathy; acromegaly; macular degeneration; trauma; asthma;

XX restenosis.

XX Unidentified.

XX WO200272780-A2.

XX 19-SEP-2002.

XX 13-MAR-2002; 2002WO-US007606.

XX 14-MAR-2001; 2001US-0275904P.

XX (GETH) GENENTECH INC.

XX Deehayes K, Lowman HB, Schaffer ML, Sidhu SS;

XX WPI; 2002-732826/79.

XX

PT New peptides antagonizing insulin-like growth factor (IGF), useful for
PT treating disorder such as cancer, diabetic complication exacerbated by
PT IGF-1, acromegaly, age-related macular degeneration, ischemic injury,
PT trauma, asthma.
XX
PS Disclosure; Page 65; 86pp; English.
XX
CC The invention relates to novel peptides that can antagonise the
CC interaction of insulin-like growth hormone 1 (IGF-1). The peptides are
CC useful for treating disorders such as cancer, diabetic complication
CC exacerbated by IGF-1, e.g. diabetic retinopathy or nephropathy,
CC acromegaly, age-related macular degeneration, ischemic injury or trauma.
CC Other disorders that can be treated by the peptide include restenosis or
CC asthma. This sequence represents a peptide relating to the IGF antagonist
CC peptides of the invention
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 6 XXXXC 10
Db |||||
6 XXXXC 10

RESULT 25
ABR41963
ID ABR41963 standard; peptide; 10 AA.
XX
AC ABR41963;
XX
DT 11-AUG-2003 (first entry)
XX
DE Peptide with oxytocin activity for use as antiinflammatory.
XX
KW Oxytocin; antiinflammatory; analgesic; antiallergic; antiasthmatic;
KW dermatological; cyclic.
XX
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Disulfide-bond 1..6
FT /note= "when position 1 is Cys"
FT Modified-site 1..6
FT /note= "thioether bond, when position 1 is beta-
FT mercaptopropionic acid"
FT Misc-difference 1
FT /label= Cys, OTHER
FT /note= "OTHER = beta-mercaptopropionic acid or nothing"
FT Misc-difference 2
FT /label= Tyr, Phe, OTHER
FT /note= "OTHER = O-methyl-tyrosine or nothing"
FT Misc-difference 3
FT /label= Ile, Val, Phe, OTHER
FT /note= "OTHER = homophenylalanine, cyclohexylalanine or
FT nothing"
FT Misc-difference 4
FT /label= Gln, Ser, Thr, Arg, OTHER
FT /note= "OTHER = citrulline, diaminobutyric acid or
FT nothing"
FT Misc-difference 7
FT /label= Pro, OTHER
FT /note= "OTHER = nothing"
FT Misc-difference 8
FT /label= Ile, Leu, Val, Thr, Arg, OTHER
FT /note= "OTHER = homoserine, diaminobutyric acid,
FT citrulline or nothing"
FT Misc-difference 9
FT /label= Gly, Ala, OTHER
FT /note= "OTHER = nothing"
FT Modified-site 10

FT /note= "C-terminal amide"
FT Misc-difference 10
FT /label= Gly, OTHER
FT /note= "OTHER = nothing"
XX
XX WO2003017922-A2.
XX
XX 06-MAR-2003.
XX
XX 02-SEP-2002; 2002WO-SE001560.
XX
XX 31-AUG-2001; 2001SE-00002910.
XX
XX (UVNA/) UVNAES-MOBERG K.
XX (LUND/) LUNDEBERG T.
XX
XX Uvnaes-Moberg K, Lundeberg T;
XX
XX WPI; 2003-371695/35.
XX
XX Use of substances with oxytocin activity for the preparation of a
XX pharmaceutical composition against inflammation e.g. edema.
XX
XX Claim 3; Page 56; 78pp; English.
XX
XX The present sequence is a generic sequence for peptides of the invention
XX (see also ABR41964-86) that have oxytocin activity and are useful in
XX pharmaceutical compositions for treatment of inflammation, e.g. oedema,
XX hyperalgesia, myeloperoxidase accumulation, cystitis, pancreatitis,
XX cutaneous inflammation, allergic rhinitis, dermatitis, airway
XX inflammation, and asthma (all claimed)
XX
XX SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
Db |||||
6 CXXXX 10

RESULT 26
AAE36134
ID AAE36134 standard; peptide; 10 AA.
XX
XX AAE36134;
XX
XX 26-JUN-2003 (first entry)
XX
XX Peptide with oxytocin activity #1.
XX
XX Plant growth stimulant; germination; oxytocin.
XX
XX Unidentified.
XX
XX Key Location/Qualifiers
FT Misc-difference 1
FT /label= Cys, OTHER
FT /note= "OTHER = Mpa (beta-mercaptopropionic acid); may or
FT may not be present; linked to Cys at position 6 via CH2-S
FT -S linkage"
FT Misc-difference 2
FT /label= Tyr, Phe, OTHER
FT /note= "OTHER = O-methyl-Tyr; may or may not be present"
FT Misc-difference 3
FT /label= Ile, Val, Phe, OTHER
FT /note= "OTHER = Hoph (homophenylalanine), Cha
FT (cyclohexylalanine); may or may not be present"
FT Misc-difference 4
FT /label= Gln, Ser, Thr, Arg, OTHER
FT /note= "OTHER = Cit (citrulline), Daba (Diaminobutyric

FT Misc-difference 6 acid)"
FT /note= "This residue is linked to Xaa at position 1 via
FT CH2-S-S linkage"
FT Misc-difference 7
FT /note= "Optionally Pro"
FT Misc-difference 8
FT /label= Ile, Leu, Val, Thr, Arg, OTHER
FT /note= "OTHER = Hos (homoserine), Cit, Daba"
FT Misc-difference 9
FT /label= Gly, Ala
FT /note= "May or may not be present"
FT Misc-difference 10
FT /note= "Optionally Gly; C-terminal amide"
XX
PN WO2002102160-A1.
XX
PD 27-DEC-2002.
XX
PF 19-JUN-2002; 2002WO-SE001208.
XX
PR 19-JUN-2001; 2001SE-00002185.
XX
PA (UVNA/) UVNAES-MOBERG K.
PA (LUND/) LUNDEGARDH B.
XX
PI Uvnaes-Moberg K, Lundegardh B;
XX WPI; 2003-201338/19.
XX
PT Use of a substance with oxytocin activity to stimulate plant growth,
PT dormancy breaking and germination.
XX
PS Claim 2; Page 19; 4lpp; English.
XX
CC The invention relates to the use of a substance with oxytocin activity in
CC order to stimulate plant growth, dormancy breaking and germination. The
CC present sequence is a peptide with oxytocin activity
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
Db |||||
6 CXXXX 10

RESULT 27
AAE30352
ID AAE30352 standard; peptide; 10 AA.
XX
AC AAE30352;
XX
DT 24-FEB-2003 (first entry)
XX
DE Peptide #1 with oxytocin activity.
XX
KW Oxytocin; cancer; cervicitis; infection; squamous cell carcinoma;
KW inflammation; koilocytosis; therapy.
XX
OS Unidentified.
XX
FH Key Location/Qualifiers
FT Misc-difference 1
FT /note= "Optionally Cys, Mpa (beta- mercaptopropionic
FT acid); linked to Cys at position 6 via CH2-S-S linkage"
FT Misc-difference 2
FT /note= "Optionally Tyr, O-methyl-Tyr, Phe"
FT Misc-difference 3
FT /note= "Optionally Ile, Val, Hoph (homophenylalanine),

FT Misc-difference 4 Phe, Cha (cyclohexylalanine)"
FT /label= Gln, Ser, Thr, Arg, OTHER
FT /note= "OTHER = Cit (citrulline), Daba (Diaminobutyric
FT acid)"
FT Misc-difference 6
FT /note= "This residue is linked to Xaa at position 1 via
FT CH2-S-S linkage"
FT Misc-difference 7
FT /note= "Optionally Pro"
FT Misc-difference 8
FT /note= "Optionally Ile, Leu, Val, Thr, Arg, Hos
FT (homoserine), Cit, Daba"
FT Misc-difference 9
FT /note= "Optionally Gly or Ala"
FT Misc-difference 10
FT /note= "Optionally Gly; C-terminal amide"
XX
PN WO200267974-A1.
XX
PD 06-SEP-2002.
XX
PF 28-FEB-2002; 2002WO-SE000362.
XX
PR 28-FEB-2001; 2001SE-00000684.
XX
PA (UVNA/) UVNAES-MOBERG K.
PA (LUND/) LUNDEBERG T.
XX
PI Uvnaes-Moberg K, Lundenberg T;
XX WPI; 2003-029847/02.
XX
PT New use of at least one substance comprising a polypeptide derivative
PT with oxytocin activity for the preparation of a pharmaceutical
PT composition for the treatment of cancer in situ and cervicitis.
XX
PS Claim 3; Page 20; 4lpp; English.
XX
CC The invention relates to the use of substances with oxytocin activity for
CC the preparation of a pharmaceutical composition for the treatment of
CC cancer in situ and cervicitis. The cancer in situ and cervicitis include
CC diseases in vagina and cervix originating from infections as well as
CC inflammations. The cancer in situ is related to cervix and also includes
CC precancerous disease states, squamous cell carcinoma and koilocytosis due
CC to the herpes virus. The present sequence is a peptide with oxytocin
CC activity
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 6; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXX 5
Db |||||
6 CXXXX 10

RESULT 28
ADD84811
ID ADD84811 standard; peptide; 10 AA.
XX
AC ADD84811;
XX
DT 29-JAN-2004 (first entry)
XX
DE Synthetic peptide #28.
XX
KW Insulin-like growth factor I; IGF-I; growth hormone;
KW growth hormone releasing peptide; growth hormone releasing hormone;
KW growth hormone secretagogue; growth hormone binding protein; IGF;
KW IGF binding protein; insulin; plasma insulin secretion;

KW blood glucose level; hyperglycaemic disorder; obesity-related disorder;
KW neurological disorder; cardiac disorder; anabolic disorder;
KW renal disorder; immunological disorder; anorectic; neuroprotective;
KW cardiant; nephrotropic; immunomodulator; antidiabetic.
XX
OS Synthetic.
XX
PN US6632794-B1.
XX
PD 14-OCT-2003.
XX
PF 28-NOV-2000; 2000US-00723547.
XX
PR 04-APR-1997; 97US-00825852.
PR 31-MAR-1998; 98US-00052888.
XX
PA (GETH) GENENTECH INC.
XX
PI Clark RG, Lowman HB, Robinson ICAF;
XX
DR WPI; 2003-810559/76.
XX
PT Increasing serum and tissue levels of biologically active insulin-like
PT growth factor (IGF)-I in a mammal for treating e.g. renal disorder, by
PT administering IGF peptide.
XX
PS Example 7; SEQ ID NO 35; 117pp; English.
XX
CC The invention relates to a method for increasing serum and tissue levels
CC of biologically active insulin-like growth factor I (IGF-I) in a mammal
CC comprising administering a growth hormone, a growth hormone releasing
CC peptide, a growth hormone releasing hormone, a growth hormone
CC secretagogue, a growth hormone in combination with growth hormone binding
CC protein, an IGF, an IGF in combination with an IGF binding protein, an
CC IGF binding protein, insulin or a hypoglycaemic agent. The invention also
CC relates to a method of reducing plasma insulin secretion and blood
CC glucose levels in a mammal. The method is useful for increasing serum and
CC tissue levels of biologically active IGF-I in a mammal for treating
CC hyperglycaemic, obesity-related, neurological, cardiac, anabolic, renal
CC or immunological disorders. This sequence represents a peptide used in
CC the method of the invention.
XX
SQ Sequence 10 AA;

Query Match 50.0%; Score 13; DB 7; Length 10;
Best Local Similarity 100.0%; Pred. No. 1.3e+04;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 6 XXXXC 10
Db 6 XXXXC 10

Search completed: May 4, 2004, 06:52:04
Job time : 53 secs

GenCore version 5.1.6
Copyright (c) 1993 - 2004 Compugen Ltd.

OM protein - protein search, using sw model

Run on: May 4, 2004, 07:10:30 ; Search time 23 Seconds
(without alignments)
22.446 Million cell updates/sec

Title: US-10-046-922-33
Perfect score: 26
Sequence: 1 CXXXXXXXC 10

Scoring table: PAM150XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 70

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 75%
Maximum Match 100%
Listing first 250 summaries

Database : Issued Patents_AA.*
1: /cgn2_6/ptodata/2/iaa/5A_COMB.pep.*
2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep.*
3: /cgn2_6/ptodata/2/iaa/6A_COMB.pep.*
4: /cgn2_6/ptodata/2/iaa/6B_COMB.pep.*
5: /cgn2_6/ptodata/2/iaa/PTUS_COMB.pep.*
6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	26	100.0	12	4	US-09-284-819-21
2	26	100.0	14	3	US-09-326-039-21
3	26	100.0	15	3	US-08-950-720A-17
4	26	100.0	15	3	US-08-991-890-7
5	26	100.0	15	3	US-09-201-226-3
6	26	100.0	16	4	US-10-158-847-157
7	26	100.0	17	3	US-09-326-039-19
8	26	100.0	18	4	US-08-821-498-45
9	26	100.0	19	3	US-08-602-999A-35
10	26	100.0	19	4	US-08-278-865-35
11	26	100.0	19	4	US-09-500-124-35
12	26	100.0	20	3	US-08-825-852-31
13	26	100.0	20	3	US-09-052-888-31
14	26	100.0	20	4	US-09-723-890-31
15	26	100.0	20	4	US-09-723-901-31
16	26	100.0	20	4	US-09-723-547-31
17	26	100.0	20	4	US-09-724-127-31
18	26	100.0	20	4	US-09-723-931-31
19	26	100.0	20	4	US-09-723-873-31
20	26	100.0	20	4	US-09-724-114-31
21	26	100.0	20	4	US-09-723-913-31
22	26	100.0	23	2	US-08-701-124-5
23	26	100.0	23	3	US-09-130-225-5
24	26	100.0	23	4	US-09-455-061-5
25	26	100.0	23	4	US-08-884-569A-9
26	26	100.0	23	4	US-09-969-192-5
27	26	100.0	24	1	US-08-179-481-95

ALIGNMENTS

RESULT 1

US-09-284-819-21
; Sequence 21, Application US/09284819
; Patent No. 6365712

GENERAL INFORMATION:

; APPLICANT: Kelly, Kathleen
; APPLICANT: The Government of the United States of America
; APPLICANT: as represented by The Secretary of the
; APPLICANT: Department of Health and Human Services
; TITLE OF INVENTION: Methods and Compositions for Inhibiting Inflammation
; TITLE OF INVENTION: and Angiogenesis Comprising a Mammalian CD97 Alpha
; TITLE OF INVENTION: Subunit
; FILE REFERENCE: 015280-263100US
; CURRENT APPLICATION NUMBER: US/09/284,819
; CURRENT FILING DATE: 1999-08-20
; EARLIER APPLICATION NUMBER: US 60/027,871
; EARLIER FILING DATE: 1996-10-25
; EARLIER APPLICATION NUMBER: WO PCT/US97/19772
; EARLIER FILING DATE: 1997-10-24
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 21
; LENGTH: 12
; TYPE: PRT
; ORGANISM: Artificial Sequence

```
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Asp/Asn
; OTHER INFORMATION: beta-hydroxylation consensus motif
; FEATURE:
; NAME/KEY: MOD_RES
; LOCATION: (1)..(12)
; OTHER INFORMATION: Xaa = any amino acid
US-09-284-819-21
```

```
Query Match          100.0%; Score 26; DB 4; Length 12;
Best Local Similarity 100.0%; Pred. No. 7.4;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CXXXXXXXXC 10
        |||||||||
Db       1 CXXXXXXXXC 10
```

RESULT 2

```
US-09-326-039-21
; Sequence 21, Application US/09326039
; Patent No. 6239254
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; TITLE OF INVENTION: Disulfide Core Polypeptides
; FILE REFERENCE: 98-13
; CURRENT APPLICATION NUMBER: US/09/326,039
; CURRENT FILING DATE: 1999-06-04
; EARLIER APPLICATION NUMBER: 60/088,136
; EARLIER FILING DATE: 1998-06-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 21
; LENGTH: 14
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: Xaa is any amino acid residue except for cysteine.
US-09-326-039-21
```

```
Query Match          100.0%; Score 26; DB 3; Length 14;
Best Local Similarity 100.0%; Pred. No. 7.9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CXXXXXXXXC 10
        |||||||||
Db       1 CXXXXXXXXC 10
```

RESULT 3

```
US-08-950-720A-17
; Sequence 17, Application US/08950720A
; Patent No. 6046028
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Lofton-Day, Catherine E.
; APPLICANT: Lok, Si
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: INSULIN HOMOLOG
; NUMBER OF SEQUENCES: 17
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
```

```
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/950,720A
; FILING DATE:
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER:
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
; REGISTRATION NUMBER: 37,438
; REFERENCE/DOCKET NUMBER: 96-09
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 206-442-6672
; TELEFAX: 206-442-6678
; TELEX:
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 15 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: No. 6046028e
; FEATURE:
; NAME/KEY: Other
; LOCATION: 3...14
; OTHER INFORMATION: Xaa is any amino acid except Cys
US-08-950-720A-17
```

```
Query Match          100.0%; Score 26; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
```

```
QY      1 CXXXXXXXXC 10
        |||||||||
Db       6 CXXXXXXXXC 15
```

RESULT 4

```
US-08-991-890-7
; Sequence 7, Application US/08991890
; Patent No. 6114307
; GENERAL INFORMATION:
; APPLICANT: Jaspers, Stephen R.
; APPLICANT: Sprugel, Katherine H.
; APPLICANT: Ren, Hong Ping
; APPLICANT: Humes, Jacqueline M.
; APPLICANT: Hoffman, Ross C.
; APPLICANT: Conklin, Darrell C.
; TITLE OF INVENTION: COMPOSITIONS AND METHODS FOR
; TITLE OF INVENTION: STIMULATING PANCREATIC ISLET CELL REGENERATION
; NUMBER OF SEQUENCES: 7
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: ZymoGenetics, Inc.
; STREET: 1201 Eastlake Avenue East
; CITY: Seattle
; STATE: WA
; COUNTRY: USA
; ZIP: 98102
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSEQ for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/991,890
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/033,003
; FILING DATE: December 16, 1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Sawislak, Deborah A
```

REGISTRATION NUMBER: 37,438
REFERENCE/DOCKET NUMBER: 96-41
TELEPHONE: 206-442-6672
TELEFAX: 206-442-6678
TELEX:

INFORMATION FOR SEQ ID NO: 7:

SEQUENCE CHARACTERISTICS:
LENGTH: 15 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:

NAME/KEY: Other
LOCATION: 3...5
OTHER INFORMATION: Xaa is any amino acid except Cys
NAME/KEY: Other
LOCATION: 7...14
OTHER INFORMATION: Xaa is any amino acid except Cys
US-08-991-890-7

Query Match 100.0%; Score 26; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 5

US-09-201-226-3
Sequence 3, Application US/09201226
Patent No. 6135942
GENERAL INFORMATION:

APPLICANT: Leptin, Maria
TITLE OF INVENTION: NUCLEIC ACIDS AND PROTEINS OF A D. MELANOCASTER
TITLE OF INVENTION: INSULIN-LIKE GENE AND USES THEREOF
FILE REFERENCE: 7326-077
CURRENT APPLICATION NUMBER: US/09/201,226
CURRENT FILING DATE: 1998-11-30
NUMBER OF SEQ ID NOS: 3
SOFTWARE: Patentin Ver. 2.0
SEQ ID NO 3

LENGTH: 15
TYPE: PRT
ORGANISM: Drosophila melanogaster
FEATURE:
NAME/KEY: SITE
LOCATION: (3)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (4)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (5)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:

NAME/KEY: SITE
LOCATION: (7)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (8)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (9)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:

NAME/KEY: SITE
LOCATION: (10)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (11)
OTHER INFORMATION: Xaa=Leu, Ile, Val, Met, or Phe
FEATURE:
NAME/KEY: SITE
LOCATION: (12)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (13)
OTHER INFORMATION: Xaa=any amino acid
FEATURE:
NAME/KEY: SITE
LOCATION: (14)
OTHER INFORMATION: Xaa=any amino acid
US-09-201-226-3

Query Match 100.0%; Score 26; DB 3; Length 15;
Best Local Similarity 100.0%; Pred. No. 8.1;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 6

US-10-158-847-157
Sequence 157, Application US/10158847
Patent No. 6592865
GENERAL INFORMATION:

APPLICANT: Tom Parry et al.
TITLE OF INVENTION: Method and Compositions for Modulating ACE-2 Activity
FILE REFERENCE: PF557
CURRENT APPLICATION NUMBER: US/10/158,847
CURRENT FILING DATE: 2002-06-03
PRIOR APPLICATION NUMBER: 60/295,004
PRIOR FILING DATE: 2001-06-04
NUMBER OF SEQ ID NOS: 158
SOFTWARE: Patentin version 3.1
SEQ ID NO 157

LENGTH: 16
TYPE: PRT
ORGANISM: homo sapiens
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (1)..(3)
OTHER INFORMATION: X equals any amino acid
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (5)..(12)
OTHER INFORMATION: X equals any amino acid
FEATURE:
NAME/KEY: MISC_FEATURE
LOCATION: (14)..(16)
OTHER INFORMATION: X equals any amino acid
US-10-158-847-157

Query Match 100.0%; Score 26; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 8.3;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 4 CXXXXXXXC 13

RESULT 7

US-09-326-039-19

```
; Sequence 19, Application US/09326039
; Patent No. 6239254
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell
; TITLE OF INVENTION: Disulfide Core Polypeptides
; FILE REFERENCE: 98-13
; CURRENT APPLICATION NUMBER: US/09/326,039
; CURRENT FILING DATE: 1999-06-04
; EARLIER APPLICATION NUMBER: 60/088,136
; EARLIER FILING DATE: 1998-06-04
; NUMBER OF SEQ ID NOS: 23
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 19
; LENGTH: 17
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (0)...(0)
; OTHER INFORMATION: xaa is any amino acid residue except for cysteine.
US-09-326-039-19

Query Match      100.0%; Score 26; DB 3; Length 17;
Best Local Similarity 100.0%; Pred. No. 8.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db      8 CXXXXXXXXXC 17
        |||||

RESULT 8
US-08-821-498-45
; Sequence 45, Application US/08821498
; Patent No. 6326155
; GENERAL INFORMATION:
; APPLICANT: MACLENNAN, John M
; APPLICANT: LADNER, Robert C
; TITLE OF INVENTION: Engineering Affinity Ligands for Macromolecules
; NUMBER OF SEQUENCES: 48
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 75 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: United States of America
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette, 3.50 inch, 1.44Mb storage
; COMPUTER: IBM PC Compatible
; OPERATING SYSTEM: MS-DOS
; SOFTWARE: Microsoft Word 6.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/821,498
; FILING DATE: 20-March-1997
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/619,885
; FILING DATE: 20-March-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: YANKWICH, Leon R
; REGISTRATION NUMBER: 30,237
; REFERENCE/DOCKET NUMBER: DYX-1C1P US
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 617-345-9100
; TELEFAX: 617-345-9111
; INFORMATION FOR SEQ ID NO: 45:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 18 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
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```
US-08-821-498-45

Query Match      100.0%; Score 26; DB 4; Length 18;
Best Local Similarity 100.0%; Pred. No. 8.7;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db      6 CXXXXXXXXXC 15
        |||||

RESULT 9
US-08-602-999A-35
; Sequence 35, Application US/08602999A
; Patent No. 6184205
; GENERAL INFORMATION:
; APPLICANT: SPARKS, Andrew B.
; APPLICANT: KAY, Brian K.
; APPLICANT: THORN, Judith M.
; APPLICANT: QUILLIAM, Lawrence A.
; APPLICANT: DER, Channing J.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: RIDER, James E.
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
; TITLE OF INVENTION: ISOLATING AND USING SAME
; NUMBER OF SEQUENCES: 467
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York
; STATE: New York
; COUNTRY: U.S.A.
; ZIP: 10036-2711
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/602,999A
; FILING DATE: 16-FEB-1996
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Misrock, S. Leslie
; REGISTRATION NUMBER: 18,872
; REFERENCE/DOCKET NUMBER: 1101-202
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (212) 790-9090
; TELEFAX: (212) 869-9741/8864
; TELEX: 66141 PENNIE
; INFORMATION FOR SEQ ID NO: 35:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 19 amino acids
; TYPE: amino acid
; TOPOLOGY: unknown
; MOLECULE TYPE: protein
; FRAGMENT TYPE: N-terminal
US-08-602-999A-35

Query Match      100.0%; Score 26; DB 3; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 CXXXXXXXXXC 10
        |||||
Db      3 CXXXXXXXXXC 12
        |||||

RESULT 10
US-08-278-865-35
; Sequence 35, Application US/08278865
; Patent No. 6303574
; GENERAL INFORMATION:
```


APPLICANT: KAY, BRIAN K.
APPLICANT: SPARKS, ANDREW B.
APPLICANT: THORN, JUDITH M.
APPLICANT: QUILLIAM, LAWRENCE A.
APPLICANT: DER, CHANNING J.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
TITLE OF INVENTION: ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 106
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
ADDRESSEE: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/278,865
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Villacorta, Gilberto M.
REGISTRATION NUMBER: 34,038
REFERENCE/DOCKET NUMBER: 4980-007-0
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-08-278-865-35
Query Match 100.0%; Score 26; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 10
Db 3 CXXXXXXXXX 12
RESULT 11
US-09-500-124-35
Sequence 35, Application US/09500124
Patent No. 6432920
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAY, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: QUILLIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOWLKES, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
TITLE OF INVENTION: ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500,124
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/602,999
FILING DATE: 16-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Misrock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 35:
SEQUENCE CHARACTERISTICS:
LENGTH: 19 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-09-500-124-35
Query Match 100.0%; Score 26; DB 4; Length 19;
Best Local Similarity 100.0%; Pred. No. 8.8;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 10
Db 3 CXXXXXXXXX 12
RESULT 12
US-08-825-852-31
Sequence 31, Application US/08825852
Patent No. 6221416
GENERAL INFORMATION:
APPLICANT: Clark, Ross G.
APPLICANT: Lowman, Henry B.
APPLICANT: Robinson, Iain C.A.F.
TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 79
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/825,852
FILING DATE: 04-Apr-1997
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:

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;
; LENGTH: 20 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
US-08-825-852-31
Query Match 100.0%; Score 26; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 13
US-09-052-888-31
; Sequence 31, Application US/09052888
; Patent No. 6251865
; GENERAL INFORMATION:
; APPLICANT: Clark, Ross G1
; APPLICANT: Lowman, Henry B.
; APPLICANT: Robinson, Iain C.A.F.
; TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,888
; FILING DATE: 31-Mar-1998
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: P1071P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1896
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; US-09-052-888-31
Query Match 100.0%; Score 26; DB 3; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 14
US-09-723-890-31
; Sequence 31, Application US/09723890
; Patent No. 6608031
; GENERAL INFORMATION:
; APPLICANT: Clark, Ross G1
; APPLICANT: Lowman, Henry B.
; APPLICANT: Robinson, Iain C.A.F.
; TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
; NUMBER OF SEQUENCES: 109
```

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;
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/723,890
; FILING DATE: 28-Mar-1998
; CLASSIFICATION: 514
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US/09/052,888
; FILING DATE: 31-Mar-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Hasak, Janet E.
; REGISTRATION NUMBER: 28,616
; REFERENCE/DOCKET NUMBER: P1071P1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 650/225-1896
; TELEFAX: 650/952-9881
; INFORMATION FOR SEQ ID NO: 31:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 20 amino acids
; TYPE: Amino Acid
; TOPOLOGY: Linear
; SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-890-31
Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 15
US-09-723-901-31
; Sequence 31, Application US/09723901
; Patent No. 6620789
; GENERAL INFORMATION:
; APPLICANT: Clark, Ross G1
; APPLICANT: Lowman, Henry B.
; APPLICANT: Robinson, Iain C.A.F.
; TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
; NUMBER OF SEQUENCES: 109
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Genentech, Inc.
; STREET: 1 DNA Way
; CITY: South San Francisco
; STATE: California
; COUNTRY: USA
; ZIP: 94080
; COMPUTER READABLE FORM:
; MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: WinPatIn (Genentech)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/723,901
; FILING DATE: 28-Mar-1998
; CLASSIFICATION: <Unknown>
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 09/052,888
; FILING DATE: 31-Mar-1998
; ATTORNEY/AGENT INFORMATION:
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NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-901-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 6 CXXXXXXXXXC 15

RESULT 16

US-09-723-547-31
Sequence 31, Application US/09723547
Patent No. 6632794
GENERAL INFORMATION:
APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.

TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09723,547
FILING DATE: 28-No. 6632794-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/052,888
FILING DATE: <Unknown>
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-547-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | | | | | | |

Db 6 CXXXXXXXXXC 15

RESULT 17

US-09-724-127-31
Sequence 31, Application US/09724127
Patent No. 6635619
GENERAL INFORMATION:
APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.

TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09724,127
FILING DATE: 28-No. 6635619-2000
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/052,888
FILING DATE: 31-Mar-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-724-127-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 6 CXXXXXXXXXC 15

RESULT 18

US-09-723-931-31
Sequence 31, Application US/09723931
Patent No. 6645775
GENERAL INFORMATION:
APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.

TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080

COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/723,931
FILING DATE: 28-Mar-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/052,888
FILING DATE: 31-Mar-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-931-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 6 CXXXXXXXXX 15

RESULT 19
US-09-723-873-31
Sequence 31, Application US/09723873
Patent No. 667305
GENERAL INFORMATION:
APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.
TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/723,873
FILING DATE: 28-Mar-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US/052,888
FILING DATE: 31-Mar-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:

LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-873-31
Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 10
Db 6 CXXXXXXXXX 15

RESULT 20
US-09-724-114-31
Sequence 31, Application US/09724114
Patent No. 6680298
GENERAL INFORMATION:
APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.
TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/724,114
FILING DATE: 28-Mar-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/052,888
FILING DATE: 31-Mar-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-724-114-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 6 CXXXXXXXXX 15

RESULT 21
US-09-723-913-31
Sequence 31, Application US/09723913
Patent No. 6683053
GENERAL INFORMATION:

APPLICANT: Clark, Ross G1
Lowman, Henry B.
Robinson, Iain C.A.F.
TITLE OF INVENTION: Insulin-like Growth Factor Agonist Molecules
NUMBER OF SEQUENCES: 109
CORRESPONDENCE ADDRESS:
ADDRESSEE: Genentech, Inc.
STREET: 1 DNA Way
CITY: South San Francisco
STATE: California
COUNTRY: USA
ZIP: 94080
COMPUTER READABLE FORM:
MEDIUM TYPE: 3.5 inch, 1.44 Mb floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: WinPatIn (Genentech)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/723,913
FILING DATE: 28-Mar-1998
CLASSIFICATION: <Unknown>
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 09/052,888
FILING DATE: 31-Mar-1998
ATTORNEY/AGENT INFORMATION:
NAME: Hasak, Janet E.
REGISTRATION NUMBER: 28,616
REFERENCE/DOCKET NUMBER: P1071P1
TELECOMMUNICATION INFORMATION:
TELEPHONE: 650/225-1896
TELEFAX: 650/952-9881
INFORMATION FOR SEQ ID NO: 31:
SEQUENCE CHARACTERISTICS:
LENGTH: 20 amino acids
TYPE: Amino Acid
TOPOLOGY: Linear
SEQUENCE DESCRIPTION: SEQ ID NO: 31:
US-09-723-913-31

Query Match 100.0%; Score 26; DB 4; Length 20;
Best Local Similarity 100.0%; Pred. No. 9;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 6 CXXXXXXXC 15

RESULT 22
US-08-701-124-5
Sequence 5, Application US/08701124
Patent No. 5846782
GENERAL INFORMATION:
APPLICANT: Wickham, Thomas J.
APPLICANT: Roelvink, Petrus W.
APPLICANT: Kovesdi, Imre
TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
TITLE OF INVENTION: CONSTRAINED PEPTIDE MOTIFS
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza - 49th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/701,124

FILING DATE: 21-AUG-1996
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-701-124-5
Query Match 100.0%; Score 26; DB 2; Length 23;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXC 10
Db 1 CXXXXXXXC 10

RESULT 23
US-09-130-225-5
Sequence 5, Application US/09130225
Patent No. 6057155
GENERAL INFORMATION:
APPLICANT: Wickham, Thomas J.
APPLICANT: Roelvink, Petrus W.
APPLICANT: Kovesdi, Imre
TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
TITLE OF INVENTION: CONSTRAINED PEPTIDE MOTIFS
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza - 49th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/130,225
FILING DATE:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 8-701124
FILING DATE: 21-AUG-1996
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-130-225-5

Query Match 100.0%; Score 26; DB 3; Length 23;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 1 CXXXXXXXC 10

RESULT 24
US-09-455-061-5
Sequence 5, Application US/09455061
Patent No. 6329190
GENERAL INFORMATION:
APPLICANT: Wickham, Thomas J.
APPLICANT: Roelvink, Petrus W.

APPLICANT: Kovesdi, Imre
TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
TITLE OF INVENTION: CONSTRAINED PEPTIDE MOTIFS
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza - 49th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/455,061
FILING DATE: 06-DEC-1999
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 9-130225
FILING DATE: 06-AUG-1998
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 8-701124
FILING DATE: 21-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hefner, M. Daniel
REGISTRATION NUMBER: 41,826
REFERENCE/DOCKET NUMBER: 203128
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-455-061-5

Query Match 100.0%; Score 26; DB 4; Length 23;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 25
US-08-884-569A-9
Sequence 9, Application US/08884569A
Patent No. 6399325
GENERAL INFORMATION:
APPLICANT: CHIANG, MING-KO
APPLICANT: FLANAGAN, JOHN G.
TITLE OF INVENTION: RECEPTOR TYROSINE PHOSPHATASE, AND USES RELATED THERETO
FILE REFERENCE: HMV-020.01
CURRENT APPLICATION NUMBER: US/08/884,569A
CURRENT FILING DATE: 1997-06-27
PRIOR APPLICATION NUMBER: 60/021,040
PRIOR FILING DATE: 1996-07-02
NUMBER OF SEQ ID NOS: 15
SOFTWARE: PatentIn Ver. 2.1
SEQ ID NO 9
LENGTH: 23
TYPE: PRT
ORGANISM: Artificial Sequence
FEATURE:
OTHER INFORMATION: Description of Artificial Sequence: Consensus
OTHER INFORMATION: peptide
NAME/KEY: MOD_RES
LOCATION: (2)..(7)
OTHER INFORMATION: Variable amino acid
NAME/KEY: MOD_RES

LOCATION: (9)..(13)
OTHER INFORMATION: Variable amino acid
NAME/KEY: MOD_RES
LOCATION: (15)..(22)
OTHER INFORMATION: Variable amino acid
US-08-884-569A-9

Query Match 100.0%; Score 26; DB 4; Length 23;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 14 CXXXXXXXXXC 23

RESULT 26
US-09-969-192-5
Sequence 5, Application US/09969192
Patent No. 6649407
GENERAL INFORMATION:
APPLICANT: WICKHAM, THOMAS J.
ROELVINK, PETRUS W.
KOVESDI, IMRE
TITLE OF INVENTION: TARGETING ADENOVIRUS WITH USE OF
CONSTRAINED PEPTIDE MOTIFS
NUMBER OF SEQUENCES: 80
CORRESPONDENCE ADDRESS:
ADDRESSEE: Leydig, Voit & Mayer, Ltd.
STREET: Two Prudential Plaza - 49th Floor
CITY: Chicago
STATE: Illinois
COUNTRY: USA
ZIP: 60601
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/969,192
FILING DATE: 01-Oct-2001
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 9-455061
FILING DATE: 06-DEC-1999
APPLICATION NUMBER: US 9-130225
FILING DATE: 06-AUG-1998
APPLICATION NUMBER: US 8-701124
FILING DATE: 21-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Hefner, M. Daniel
REGISTRATION NUMBER: 41,826
REFERENCE/DOCKET NUMBER: 213564
INFORMATION FOR SEQ ID NO: 5:
SEQUENCE CHARACTERISTICS:
LENGTH: 23 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
SEQUENCE DESCRIPTION: SEQ ID NO: 5:
US-09-969-192-5

Query Match 100.0%; Score 26; DB 4; Length 23;
Best Local Similarity 100.0%; Pred. No. 9.5;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
Db 1 CXXXXXXXXXC 10

RESULT 27

US-08-179-481-95
; Sequence 95, Application US/08179481
; Patent No. 5624816
; GENERAL INFORMATION:
; APPLICANT: CARRAWAY, KERMIT L.
; APPLICANT: CAROTHERS CARRAWAY, CORALIE A.
; APPLICANT: FREGIEN, NEVIS L.
; TITLE OF INVENTION: ONCOGENE PRODUCT LIGAND
; NUMBER OF SEQUENCES: 125
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: CUSHMAN, DARBY & CUSHMAN
; STREET: 1100 NEW YORK AVENUE, N.W.
; CITY: WASHINGTON
; STATE: D.C.
; COUNTRY: U.S.A.
; ZIP: 20005-3918
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/179,481
; FILING DATE: 28-DEC-1993
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/922,521
; FILING DATE: 30-JUL-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: KOKULIS, PAUL N.
; REGISTRATION/DOCKET NUMBER: 16,773
; REFERENCE/DOCKET NUMBER: 200702/UM92-08CIP
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 861-3000
; TELEFAX: (202) 822-0944
; TELEX: 6714627 CUSH
; INFORMATION FOR SEQ ID NO: 95:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 24 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-179-481-95

Query Match 100.0%; Score 26; DB 1; Length 24;
Best Local Similarity 100.0%; Pred. No. 9.7;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | |
Db 14 CXXXXXXXC 23

RESULT 28
US-08-602-999A-36
; Sequence 36, Application US/08602999A
; Patent No. 6184205
; GENERAL INFORMATION:
; APPLICANT: SPARKS, Andrew B.
; APPLICANT: KAY, Brian K.
; APPLICANT: THORN, Judith M.
; APPLICANT: QUILLIAM, Lawrence A.
; APPLICANT: DER, Channing J.
; APPLICANT: FOWLKES, Dana M.
; APPLICANT: RIDER, James E.
; TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
; TITLE OF INVENTION: ISOLATING AND USING SAME
; NUMBER OF SEQUENCES: 467
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pennie & Edmonds
; STREET: 1155 Avenue of the Americas
; CITY: New York

STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/602,999A
FILING DATE: 16-FEB-1996
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-08-602-999A-36

Query Match 100.0%; Score 26; DB 3; Length 28;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | |
Db 3 CXXXXXXXC 12

RESULT 29
US-08-278-865-36
; Sequence 36, Application US/08278865
; Patent No. 6303574
; GENERAL INFORMATION:
; APPLICANT: KAY, BRIAN K.
; APPLICANT: SPARKS, ANDREW B.
; APPLICANT: THORN, JUDITH M.
; APPLICANT: QUILLIAM, LAWRENCE A.
; APPLICANT: DER, CHANNING J.
; TITLE OF INVENTION: SRC SH3 BINDING PEPTIDES AND METHODS OF
; TITLE OF INVENTION: ISOLATING AND USING SAME
; NUMBER OF SEQUENCES: 106
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: OBLON, SPIVAK, MCCLELLAND, MAIER & NEUSTADT,
; ADDRESSEE: P.C.
; STREET: 1755 S. Jefferson Davis Highway, Suite 400
; CITY: Arlington
; STATE: Virginia
; COUNTRY: U.S.A.
; ZIP: 22202
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/278,865
; FILING DATE:
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Villacorta, Gilberto M.
; REGISTRATION NUMBER: 34,038
; REFERENCE/DOCKET NUMBER: 4980-007-0
; TELECOMMUNICATION INFORMATION:

TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 24855 OPAT UR
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
US-08-278-865-36

Query Match 100.0%; Score 26; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 10;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 3 CXXXXXXXXX 12

RESULT 30

US-09-500-124-36
Sequence 36, Application US/09500124
Patent No. 6432920
GENERAL INFORMATION:
APPLICANT: SPARKS, Andrew B.
APPLICANT: KAY, Brian K.
APPLICANT: THORN, Judith M.
APPLICANT: QUILLIAM, Lawrence A.
APPLICANT: DER, Channing J.
APPLICANT: FOWLKES, Dana M.
APPLICANT: RIDER, James E.
TITLE OF INVENTION: SH3 BINDING PEPTIDES AND METHODS OF
TITLE OF INVENTION: ISOLATING AND USING SAME
NUMBER OF SEQUENCES: 467
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pennie & Edmonds
STREET: 1155 Avenue of the Americas
CITY: New York
STATE: New York
COUNTRY: U.S.A.
ZIP: 10036-2711
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/500,124
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: 08/602,999
FILING DATE: 16-FEB-1996
ATTORNEY/AGENT INFORMATION:
NAME: Mirock, S. Leslie
REGISTRATION NUMBER: 18,872
REFERENCE/DOCKET NUMBER: 1101-202
TELECOMMUNICATION INFORMATION:
TELEPHONE: (212) 790-9090
TELEFAX: (212) 869-9741/8864
TELEX: 66141 PENNIE
INFORMATION FOR SEQ ID NO: 36:
SEQUENCE CHARACTERISTICS:
LENGTH: 28 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: N-terminal
US-09-500-124-36

Query Match 100.0%; Score 26; DB 4; Length 28;
Best Local Similarity 100.0%; Pred. No. 10;

Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 3 CXXXXXXXXX 12

RESULT 31

US-08-478-312-19
Sequence 19, Application US/08478312
Patent No. 5654276
GENERAL INFORMATION:
APPLICANT: Barrett, Ronald W.
APPLICANT: England, Bruce
APPLICANT: Schatz, Peter
APPLICANT: Sloan, Derek
APPLICANT: Chen, Min-Jia
TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
TITLE OF INVENTION: Receptor
NUMBER OF SEQUENCES: 59
CORRESPONDENCE ADDRESS:
ADDRESSEE: Affymax Technologies, N.V.
STREET: 4001 Miranda Ave.
CITY: Palo Alto
STATE: California
COUNTRY: USA
ZIP: 94304
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/478,312
FILING DATE: 07-JUN-1995
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Stevens, Lauren L.
REGISTRATION NUMBER: 36,691
REFERENCE/DOCKET NUMBER: 1088.1A
TELECOMMUNICATION INFORMATION:
TELEPHONE: 415-496-2300
TELEFAX: 415-424-0832
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 31 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-08-478-312-19

Query Match 100.0%; Score 26; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
| | | | | | | | | |
Db 4 CXXXXXXXXX 13

RESULT 32

US-08-485-302-19
Sequence 19, Application US/08485302
Patent No. 5668110
GENERAL INFORMATION:
APPLICANT: Barrett, Ronald W.
APPLICANT: England, Bruce
APPLICANT: Schatz, Peter
APPLICANT: Sloan, Derek
APPLICANT: Chen, Min-Jia
TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
TITLE OF INVENTION: Receptor


```
;
;
; NUMBER OF SEQUENCES: 59
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Affymax Technologies, N.V.
; STREET: 4001 Miranda Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/485,302
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 1088.1B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 19:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-485-302-19

Query Match 100.0%; Score 26; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 33
US-08-476-169-15
; Sequence 15, Application US/08476169
; Patent No. 5677280
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: England, Bruce
; APPLICANT: Schatz, Peter
; APPLICANT: Sloan, Derek
; APPLICANT: Chen, Min-Jia
; TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Affymax Technologies, N.V.
; STREET: 4001 Miranda Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/476,169
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
```

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;
;
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 1088.2A
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-476-169-15

Query Match 100.0%; Score 26; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 4 CXXXXXXXXXC 13

RESULT 34
US-08-484-083-15
; Sequence 15, Application US/08484083
; Patent No. 5683983
; GENERAL INFORMATION:
; APPLICANT: Barrett, Ronald W.
; APPLICANT: England, Bruce
; APPLICANT: Schatz, Peter
; APPLICANT: Sloan, Derek
; APPLICANT: Chen, Min-Jia
; TITLE OF INVENTION: Peptides and Compounds That Bind to the IL-5
; NUMBER OF SEQUENCES: 65
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Affymax Technologies, N.V.
; STREET: 4001 Miranda Ave.
; CITY: Palo Alto
; STATE: California
; COUNTRY: USA
; ZIP: 94304
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/484,083
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 514
; ATTORNEY/AGENT INFORMATION:
; NAME: Stevens, Lauren L.
; REGISTRATION NUMBER: 36,691
; REFERENCE/DOCKET NUMBER: 1088.2B
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 415-496-2300
; TELEFAX: 415-424-0832
; INFORMATION FOR SEQ ID NO: 15:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 31 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-08-484-083-15

Query Match 100.0%; Score 26; DB 1; Length 31;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
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Db 4 CXXXXXXXXX 13

RESULT 35

US-10-138-158-8
; Sequence 8, Application US/10138158
; Patent No. 6677307
; GENERAL INFORMATION:
; APPLICANT: STEM CELL PHARMACEUTICALS, INC.
; APPLICANT: TWARDZIK, Daniel R.
; APPLICANT: PERNET, Andre
; APPLICANT: FELKER, Thomas S.
; APPLICANT: PASKELL, Stefan
; APPLICANT: RENO, John M.
; TITLE OF INVENTION: TGF-alpha POLYPEPTIDES, FUNCTIONAL FRAGMENTS AND METHODS OF USE
; FILE REFERENCE: STEM1110-6
; CURRENT APPLICATION NUMBER: US/10/138,158
; CURRENT FILING DATE: 2002-08-08
; PRIOR APPLICATION NUMBER: US 09/641,587
; PRIOR FILING DATE: 2000-08-17
; PRIOR APPLICATION NUMBER: US 09/559,248
; PRIOR FILING DATE: 2000-04-26
; PRIOR APPLICATION NUMBER: US 09/459,813
; PRIOR FILING DATE: 1999-12-13
; PRIOR APPLICATION NUMBER: US 09/492,935
; PRIOR FILING DATE: 2000-01-27
; PRIOR APPLICATION NUMBER: US 09/378,567
; PRIOR FILING DATE: 1999-08-19
; NUMBER OF SEQ ID NOS: 21
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 8
; LENGTH: 36
; TYPE: PRT
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: MISC_FEATURE
; LOCATION: (1)..(36)
; OTHER INFORMATION: Xaa is any amino acid
US-10-138-158-8

Query Match 100.0%; Score 26; DB 4; Length 36;
Best Local Similarity 100.0%; Pred. No. 11;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 27 CXXXXXXXXX 36

RESULT 36

US-08-525-864A-7
; Sequence 7, Application US/08525864A
; Patent No. 5912326
; GENERAL INFORMATION:
; APPLICANT: Chang, Han
; TITLE OF INVENTION: Cerebellum-derived Growth Factors, and Uses
; TITLE OF INVENTION: Related thereto
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts
; COUNTRY: USA
; ZIP: 02109
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Ascii (text)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/525,864A

; FILING DATE: 8-SEP-1995
; CLASSIFICATION: 530
; ATTORNEY/AGENT INFORMATION:
; NAME: Kara, Catherine J.
; REGISTRATION NUMBER: 41,106
; REFERENCE/DOCKET NUMBER: HUI-017
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (617)227-7400
; TELEFAX: (617)742-4214
; INFORMATION FOR SEQ ID NO: 7:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 40 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FRAGMENT TYPE: internal
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 2-8
; OTHER INFORMATION: /note= "Xaa is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 10-13
; OTHER INFORMATION: /note= "Xaa is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 14
; OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 16-25
; OTHER INFORMATION: /note= "Xaa is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 26, 27, 28
; OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 30
; OTHER INFORMATION: /note= "Xaa is any amino acid"
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 32-39
; OTHER INFORMATION: /note= "Xaa is any amino acid"
US-08-525-864A-7

Query Match 100.0%; Score 26; DB 2; Length 40;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
Db 31 CXXXXXXXXX 40

RESULT 37

US-09-480-251-15
; Sequence 15, Application US/09480251
; Patent No. 6465719
; GENERAL INFORMATION:
; APPLICANT: Derose, Richard
; APPLICANT: Freyssinet, Georges
; APPLICANT: Hoffman, Jules
; TITLE OF INVENTION: Chimeric Gene Encoding Drosomycin,
; TITLE OF INVENTION: Vector Containing It And Production Of Disease-Resistant
; TITLE OF INVENTION: Transgenic Plants
; FILE REFERENCE: A32889-PCT-USA-A
; CURRENT APPLICATION NUMBER: US/09/480,251
; CURRENT FILING DATE: 2000-01-11
; PRIOR APPLICATION NUMBER: PCT/FR98/01462
; PRIOR FILING DATE: 1998-07-08
; PRIOR APPLICATION NUMBER: FRANCE 97/09,115
; PRIOR FILING DATE: 1997-07-11

;; PRIOR APPLICATION NUMBER: FRANCE 9709,663
;; PRIOR FILING DATE: 1997-07-24
;; NUMBER OF SEQ ID NOS: 15
;; SOFTWARE: FastSEQ for Windows Version 3.0
;; SEQ ID NO 15
;; LENGTH: 44
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: Drosomycin core sequence
;; NAME/KEY: VARIANT
;; LOCATION: (1)...(1)
;; OTHER INFORMATION: Preferably Asp
;; NAME/KEY: VARIANT
;; LOCATION: (3)...(3)
;; OTHER INFORMATION: Preferably Leu
;; NAME/KEY: VARIANT
;; LOCATION: (10)...(10)
;; OTHER INFORMATION: Preferably Pro
;; NAME/KEY: VARIANT
;; LOCATION: (12)...(12)
;; OTHER INFORMATION: Preferably Ala
;; NAME/KEY: VARIANT
;; LOCATION: (18)...(18)
;; OTHER INFORMATION: Preferably Thr
;; NAME/KEY: VARIANT
;; LOCATION: (20)...(20)
;; OTHER INFORMATION: Preferably Arg
;; NAME/KEY: VARIANT
;; LOCATION: (22)...(22)
;; OTHER INFORMATION: Preferably Val
;; NAME/KEY: VARIANT
;; LOCATION: (24)...(24)
;; OTHER INFORMATION: Preferably Lys
;; NAME/KEY: VARIANT
;; LOCATION: (32)...(32)
;; OTHER INFORMATION: Preferably His
;; NAME/KEY: VARIANT
;; LOCATION: (34)...(34)
;; OTHER INFORMATION: Preferably Ser
;; NAME/KEY: VARIANT
;; LOCATION: (38)...(38)
;; OTHER INFORMATION: Preferably Lys
;; NAME/KEY: VARIANT
;; LOCATION: (40)...(40)
;; OTHER INFORMATION: Preferably Trp
;; NAME/KEY: VARIANT
;; LOCATION: (42)...(42)
;; OTHER INFORMATION: Preferably Glu
;; NAME/KEY: VARIANT
;; LOCATION: (43)...(43)
;; OTHER INFORMATION: Preferably Gly
;; NAME/KEY: VARIANT
;; LOCATION: (4)...(9)
;; OTHER INFORMATION: Preferably Ser Gly Arg Tyr Lys Gly
;; NAME/KEY: VARIANT
;; LOCATION: (13)...(17)
;; OTHER INFORMATION: Preferably Val Trp Asp Asn Glu
;; NAME/KEY: VARIANT
;; LOCATION: (21)...(21)
;; OTHER INFORMATION: Preferably Arg
;; NAME/KEY: VARIANT
;; LOCATION: (25)...(31)
;; OTHER INFORMATION: Preferably Glu Gly Arg Ser Ser Gly
;; NAME/KEY: VARIANT
;; LOCATION: (35)...(37)
;; OTHER INFORMATION: Preferably Pro Ser Leu
;;
US-09-480-251-15

Query Match 100.0%; Score 26; DB 4; Length 44;
Best Local Similarity 100.0%; Pred. No. 12;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
Db 2 CXXXXXXXXC 11

RESULT 38
US-09-320-095-5
; Sequence 5, Application US/09320095
; Patent No. 6087473
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Foster, Donald C.
; APPLICANT: Gao, Zeren
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE AND MATERIALS
; FILE REFERENCE: 98-22
; CURRENT APPLICATION NUMBER: US/09/320,095
; CURRENT FILING DATE: 1999-05-26
; EARLIER APPLICATION NUMBER: US 60/087,032
; EARLIER FILING DATE: 1998-05-28
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: polypeptide motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(2)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; OTHER INFORMATION: Pro, Trp or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (3)...(3)
; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
; OTHER INFORMATION: Pro
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
; OTHER INFORMATION: Tyr or Val
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (5)...(5)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
; OTHER INFORMATION: Ser, Thr or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (6)...(6)
; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
; OTHER INFORMATION: or Met
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
; OTHER INFORMATION: Met, Phe or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Gly or Glu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
; OTHER INFORMATION: Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; OTHER INFORMATION: Pro, Trp and Val
; FEATURE:

```
NAME/KEY: VARIANT
LOCATION: (12)...(12)
OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
OTHER INFORMATION: and Ser
FEATURE:
NAME/KEY: VARIANT
LOCATION: (13)...(13)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro, Thr
OTHER INFORMATION: or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (14)...(14)
OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His,
OTHER INFORMATION: Ser, Trp or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (15)...(15)
OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His,
OTHER INFORMATION: Met, Trp or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (16)...(16)
OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or
OTHER INFORMATION: Ile
FEATURE:
NAME/KEY: VARIANT
LOCATION: (17)...(17)
OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
FEATURE:
NAME/KEY: VARIANT
LOCATION: (18)...(18)
OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
FEATURE:
NAME/KEY: VARIANT
LOCATION: (19)...(19)
OTHER INFORMATION: Xaa is Tyr or Phe
FEATURE:
NAME/KEY: VARIANT
LOCATION: (20)...(20)
OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (21)...(21)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (22)...(22)
OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (23)...(23)
OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (24)...(24)
OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (25)...(25)
OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
OTHER INFORMATION: Tyr or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (27)...(27)
OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (28)...(28)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (29)...(29)
OTHER INFORMATION: Xaa is Phe or Tyr
```

```
FEATURE:
NAME/KEY: VARIANT
LOCATION: (30)...(30)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (31)...(31)
OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (32)...(32)
OTHER INFORMATION: Xaa is Ser, Gly or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (33)...(33)
OTHER INFORMATION: Xaa is Gly or Ile
FEATURE:
NAME/KEY: VARIANT
LOCATION: (35)...(35)
OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (36)...(36)
OTHER INFORMATION: Xaa is Gly, Lys or Ala
FEATURE:
NAME/KEY: VARIANT
LOCATION: (37)...(37)
OTHER INFORMATION: Xaa is Asn, Lys or Ser
FEATURE:
NAME/KEY: VARIANT
LOCATION: (38)...(38)
OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro,
OTHER INFORMATION: Thr, Trp, Tyr or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (39)...(39)
OTHER INFORMATION: Xaa is Asn or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (40)...(40)
OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (41)...(41)
OTHER INFORMATION: Xaa is Phe, Tyr or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (42)...(42)
OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (43)...(43)
OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (44)...(44)
OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (45)...(45)
OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
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Query Match 100.0%; Score 26; DB 3; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXC 10
| | | | |
Db 1 CXXXXXXC 10

RESULT 39
US-09-523-487-5


```
; Sequence 5, Application US/09523487
; Patent No. 6232098
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; APPLICANT: Foster, Donald C.
; APPLICANT: Gao, Zeren
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE AND MATERIALS
; TITLE OF INVENTION: AND METHODS FOR MAKING IT
; FILE REFERENCE: 98-22
; CURRENT APPLICATION NUMBER: US/09/523,487
; CURRENT FILING DATE: 2000-03-10
; PRIOR APPLICATION NUMBER: 09/320,095
; PRIOR FILING DATE: 1999-05-26
; NUMBER OF SEQ ID NOS: 20
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: polypeptide motif
; NAME/KEY: VARIANT
; LOCATION: (2)...(2)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; OTHER INFORMATION: Pro, Trp or Val
; NAME/KEY: VARIANT
; LOCATION: (3)...(3)
; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
; OTHER INFORMATION: Pro
; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
; OTHER INFORMATION: Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (5)...(5)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
; OTHER INFORMATION: Ser, Thr or Trp
; NAME/KEY: VARIANT
; LOCATION: (6)...(6)
; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
; OTHER INFORMATION: or Met
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
; OTHER INFORMATION: Met, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Gly or Glu
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
; OTHER INFORMATION: Thr
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; OTHER INFORMATION: Pro, Trp and Val
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is Arg, Lys, Ala, Asp, Gln, Phe, Gly, Glu, Thr
; OTHER INFORMATION: and Ser
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro, Thr
; OTHER INFORMATION: or Trp
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His,
; OTHER INFORMATION: Ser, Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His,
; OTHER INFORMATION: Met, Trp or Tyr
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or
; OTHER INFORMATION: Ile
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr or Phe
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
; NAME/KEY: VARIANT
; LOCATION: (24)...(24)
; OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
; NAME/KEY: VARIANT
; LOCATION: (25)...(25)
; OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp,
; NAME/KEY: VARIANT
; LOCATION: (27)...(27)
; OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Ser or Trp
; NAME/KEY: VARIANT
; LOCATION: (28)...(28)
; OTHER INFORMATION: Xaa is Phe or Tyr
; NAME/KEY: VARIANT
; LOCATION: (29)...(29)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
; NAME/KEY: VARIANT
; LOCATION: (31)...(31)
; OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is Ser, Gly or Thr
; NAME/KEY: VARIANT
; LOCATION: (33)...(33)
; OTHER INFORMATION: Xaa is Gly or Ile
; NAME/KEY: VARIANT
; LOCATION: (35)...(35)
; OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
; NAME/KEY: VARIANT
; LOCATION: (36)...(36)
; OTHER INFORMATION: Xaa is Gly, Lys or Ala
; NAME/KEY: VARIANT
; LOCATION: (37)...(37)
; OTHER INFORMATION: Xaa is Asn, Lys or Ser
; NAME/KEY: VARIANT
; LOCATION: (38)...(38)
; OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp,
; NAME/KEY: VARIANT
; LOCATION: (39)...(39)
; OTHER INFORMATION: Xaa is Asn or Tyr
; NAME/KEY: VARIANT
; LOCATION: (40)...(40)
; OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
; NAME/KEY: VARIANT
; LOCATION: (41)...(41)
; OTHER INFORMATION: Xaa is Phe, Tyr or Asp
; NAME/KEY: VARIANT
```

```

; LOCATION: (42)...(42)
; OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
; NAME/KEY: VARIANT
; LOCATION: (43)...(43)
; OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
; NAME/KEY: VARIANT
; LOCATION: (44)...(44)
; OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
; NAME/KEY: VARIANT
; LOCATION: (45)...(45)
; OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
; NAME/KEY: VARIANT
; LOCATION: (46)...(46)
; OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala or Tyr
; NAME/KEY: VARIANT
; LOCATION: (48)...(48)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr, Trp
; NAME/KEY: VARIANT
; LOCATION: (49)...(49)
; OTHER INFORMATION: Xaa is any residue except Cys, Ile, Leu, Met, Phe, Pro, Ser, Tyr
; NAME/KEY: VARIANT
; LOCATION: (50)...(50)
; OTHER INFORMATION: Xaa is Thr, Ala, Val, Ile, Phe, Leu, Met, Lys, Tyr or Arg
; US-09-523-487-5
;
; Query Match 100.0%; Score 26; DB 3; Length 51;
; Best Local Similarity 100.0%; Pred. No. 13;
; Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
;
; QY 1 CXXXXXXXXC 10
; Db 1 CXXXXXXXXC 10
;
; RESULT 40
; US-09-388-183-3
; Sequence 3, Application US/09388183
; Patent No. 6380354
; GENERAL INFORMATION:
; APPLICANT: Conklin, Darrell C.
; TITLE OF INVENTION: KUNITZ DOMAIN POLYPEPTIDE ZKUN6
; FILE REFERENCE: 98-40
; CURRENT APPLICATION NUMBER: US/09/388,183
; CURRENT FILING DATE: 1999-09-01
; NUMBER OF SEQ ID NOS: 7
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 3
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Kunitz motif
;
; NAME/KEY: VARIANT
; LOCATION: (2)...(2)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Gly, His, Met,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (3)...(3)
; OTHER INFORMATION: Xaa is Leu, Glu, Met, Gln, Phe, Ser, Thr, Ala or
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (4)...(4)
; OTHER INFORMATION: Xaa is any residue except Arg, Cys, Met, Phe, Trp,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (5)...(5)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gln, Gly, Phe,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (6)...(6)
; OTHER INFORMATION: Xaa is Arg, Glu, Asn, Ala, Val, Asp, Lys, Ser, Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (7)...(7)
; OTHER INFORMATION: Xaa is any residue except Asn, Cys, Gly, His, Leu,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: Xaa is Gly or Glu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (9)...(9)
; OTHER INFORMATION: Xaa is Pro, Arg, Leu, Val, Ser, Asp, Ile, Asn or
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (11)...(11)
; OTHER INFORMATION: Xaa is any residue except Ala, Cys, Glu, His, Ile,
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, Pro or Thr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(13)
; OTHER INFORMATION: Xaa is any residue except Arg, Asn, Cys, Gly, His, Ser, Trp o
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(14)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp o
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (15)...(15)
; OTHER INFORMATION: Xaa is any residue except Ala, Asp, Cys, Gly, His, Met, Trp o
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (16)...(16)
; OTHER INFORMATION: Xaa is Ser, Ala, Arg, Val, Gln, Lys, Leu, Gly or Ile
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (17)...(17)
; OTHER INFORMATION: Xaa is Phe, Tyr, Ile, Trp or Leu
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (18)...(18)
; OTHER INFORMATION: Xaa is Tyr, His, Phe, Trp, Asn or Ala
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (19)...(19)
; OTHER INFORMATION: Xaa is Tyr or Phe
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (20)...(20)
; OTHER INFORMATION: Xaa is Lys, Asn, Ser or Asp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (21)...(21)
; OTHER INFORMATION: Xaa is any residue except Asp, Cys, Glu, His or Tyr
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (22)...(22)
; OTHER INFORMATION: Xaa is any residue except Cys, Met, Pro or Trp
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: Xaa is Ala, Lys, Ser, Leu, Thr, Ile, Gln, Glu, Tyr or Val
; FEATURE:
```

NAME/KEY: VARIANT
LOCATION: (24)...(24)
OTHER INFORMATION: Xaa is Lys, Gln, Asn, His, Gly, Arg or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (25)...(25)
OTHER INFORMATION: Xaa is any residue except Asn, Asp, Cys, His, Ile, Pro, Trp, Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (27)...(27)
OTHER INFORMATION: Xaa is any residue except Cys, Gly, Phe, Pro, Ser or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (28)...(28)
OTHER INFORMATION: Xaa is any residue except Asp, Cys, His, Ile, Phe, Trp or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (29)...(29)
OTHER INFORMATION: Xaa is Phe or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (30)...(30)
OTHER INFORMATION: Xaa is any residue except Arg, Cys, Gly or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (31)...(31)
OTHER INFORMATION: Xaa is Tyr, Trp, Phe or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (32)...(32)
OTHER INFORMATION: Xaa is Ser, Gly or Thr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (33)...(33)
OTHER INFORMATION: Xaa is Gly or Ile
FEATURE:
NAME/KEY: VARIANT
LOCATION: (35)...(35)
OTHER INFORMATION: Xaa is Gly, Lys, Arg, Pro, Gln, Leu, Glu, Asn or Met
FEATURE:
NAME/KEY: VARIANT
LOCATION: (36)...(36)
OTHER INFORMATION: Xaa is Gly, Lys or Ala
FEATURE:
NAME/KEY: VARIANT
LOCATION: (37)...(37)
OTHER INFORMATION: Xaa is Asn, Lys or Ser
FEATURE:
NAME/KEY: VARIANT
LOCATION: (38)...(38)
OTHER INFORMATION: Xaa is any residue except Cys, His, Ile, Phe, Pro, Thr, Trp, Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (39)...(39)
OTHER INFORMATION: Xaa is Asn or Tyr
FEATURE:
NAME/KEY: VARIANT
LOCATION: (40)...(40)
OTHER INFORMATION: Xaa is Arg, Asn, Lys, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (41)...(41)
OTHER INFORMATION: Xaa is Phe, Tyr or Asp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (42)...(42)
OTHER INFORMATION: Xaa is any residue except Cys, Gln, Gly, Phe or Trp
FEATURE:
NAME/KEY: VARIANT
LOCATION: (43)...(43)
OTHER INFORMATION: Xaa is Thr, Ser, Arg, Lys or Asp
FEATURE:
NAME/KEY: VARIANT

LOCATION: (44)...(44)
OTHER INFORMATION: Xaa is Ile, Leu, Trp, Arg, Lys, Thr, Glu, Ala, Gln or Val
FEATURE:
NAME/KEY: VARIANT
LOCATION: (45)...(45)
OTHER INFORMATION: Xaa is Glu, Asp, Ala, His, Met, Val, Gln, Lys, Arg or Pro
FEATURE:
NAME/KEY: VARIANT
LOCATION: (46)...(46)
OTHER INFORMATION: Xaa is Glu, Lys, Gln, Asp, Ala, Tyr or Ser
FEATURE:
NAME/KEY: VARIANT
LOCATION: (48)...(48)
OTHER INFORMATION: Xaa is any residue except Ala, Cys, Gly, Phe, Pro, Ser, Thr,
FEATURE:
NAME/KEY: VARIANT
LOCATION: (49)...(49)

Query Match 100.0%; Score 26; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXXC 10

RESULT 41
US-09-740-510-5
; Sequence 5, Application US/09740510
; Patent No. 6544760
; GENERAL INFORMATION:
; APPLICANT: Holloway, James L.
; TITLE OF INVENTION: Kunitz Domain Polypeptide Zkun11
; FILE REFERENCE: 99-103
; CURRENT APPLICATION NUMBER: US/09/740,510
; CURRENT FILING DATE: 2000-12-18
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 5
; LENGTH: 51
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: motif.
; NAME/KEY: VARIANT
; LOCATION: (1)...(51)
; OTHER INFORMATION: Xaa is any amino acid.
US-09-740-510-5

Query Match 100.0%; Score 26; DB 4; Length 51;
Best Local Similarity 100.0%; Pred. No. 13;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 1 CXXXXXXXXXC 10

RESULT 42
US-08-525-864A-8
; Sequence 8, Application US/08525864A
; Patent No. 5912326
; GENERAL INFORMATION:
; APPLICANT: Chang, Han
; TITLE OF INVENTION: Cerebellum-derived Growth Factors, and Uses
; TITLE OF INVENTION: Related thereto
; NUMBER OF SEQUENCES: 18
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: LAHIVE & COCKFIELD
; STREET: 28 State Street
; CITY: Boston
; STATE: Massachusetts

COUNTRY: USA
ZIP: 02109
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: ASCII (text)
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/525,864A
FILING DATE: 8-SEP-1995
CLASSIFICATION: 530
ATTORNEY/AGENT INFORMATION:
NAME: Kara, Catherine J.
REGISTRATION NUMBER: 41,106
REFERENCE/DOCKET NUMBER: HUI-017
TELEPHONE: (617)227-7400
TELEFAX: (617)742-4214
INFORMATION FOR SEQ ID NO: 8:
SEQUENCE CHARACTERISTICS:
LENGTH: 57 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: peptide
FRAGMENT TYPE: internal
FEATURE:
NAME/KEY: Modified-site
LOCATION: 2-5
OTHER INFORMATION: /note= "Xaa is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 6, 7, 8, 9, 10, 11, 12, 13, 14, 15
OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 17-19
OTHER INFORMATION: /note= "Xaa is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 20, 21, 22, 23, 24
OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 30, 31, 32, 33, 34, 35, 36, 37, 38, 39
OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 41
OTHER INFORMATION: /note= "Xaa is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 43-50
OTHER INFORMATION: /note= "Xaa is any amino acid"
FEATURE:
NAME/KEY: Modified-site
LOCATION: 51, 52, 53, 54, 55, 56
OTHER INFORMATION: /note= "Xaa, if present, is any amino acid"
US-08-525-864A-8
Query Match 100.0%; Score 26; DB 2; Length 57;
Best Local Similarity 100.0%; Pred. No. 14;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 16 CXXXXXXXXXC 25
RESULT 43

US-08-667-025-1
Sequence 1, Application US/08667025
Patent No. 5919667
GENERAL INFORMATION:
APPLICANT: Gage, Frederick H.
APPLICANT: Suhr, Steven T.
TITLE OF INVENTION: MODULAR ASSEMBLY RETROVIRAL
TITLE OF INVENTION: VECTORS AND
TITLE OF INVENTION: USES THEREOF
NUMBER OF SEQUENCES: 1
CORRESPONDENCE ADDRESS:
ADDRESSEE: Gray Cary Ware & Freidenrich
STREET: 4365 Executive Drive, Suite 1600
CITY: San Diego
STATE: CA
COUNTRY: USA
ZIP: 92121-2189
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/667,025
FILING DATE:
CLASSIFICATION: 514
ATTORNEY/AGENT INFORMATION:
NAME: Ramos, Robert T.
REGISTRATION NUMBER: 37,915
REFERENCE/DOCKET NUMBER: P41 90249
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-677-1400
TELEFAX: 619-677-1477
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
STRANDEDNESS:
TOPOLOGY: not relevant
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-667-025-1
Query Match 100.0%; Score 26; DB 2; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 39 CXXXXXXXXXC 48
RESULT 44
US-08-475-174-1
Sequence 1, Application US/08475174
Patent No. 5932622
GENERAL INFORMATION:
APPLICANT: Evans, Ronald M.
APPLICANT: Mangelsdorf, David J.
APPLICANT: Heyman, Richard A.
APPLICANT: Boehm, Marcus F.
APPLICANT: Eichele, Gregor
APPLICANT: Thaler, Christina
TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
TITLE OF INVENTION: MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
TITLE OF INVENTION: THEREFOR
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: California
COUNTRY: USA

ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/475,174
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA: US/07/809,980
APPLICATION NUMBER: US/07/809,980
FILING DATE: 1991-12-18
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P31 9116
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 546-4737
TELEFAX: (619) 546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
STRANDEDNESS: unknown
TOPOLOGY: unknown
MOLECULE TYPE: peptide
US-08-475-174-1

Query Match 100.0%; Score 26; DB 2; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
|||
DB 39 CXXXXXXXC 48

RESULT 45

US-08-472-817-1
; Sequence 1, Application US/08472817
; Patent No. 5968989
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Mangelsdorf, David J.
; APPLICANT: Heyman, Richard A.
; APPLICANT: Boehm, Marcus F.
; APPLICANT: Eichele, Gregor
; APPLICANT: Thaller, Christina
; TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
; TITLE OF INVENTION: MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
; TITLE OF INVENTION: THEREFOR
; NUMBER OF SEQUENCES: 2
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/472,817
FILING DATE: 07-JUN-1995
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/244,857
FILING DATE: 14-JUN-1994
PRIOR APPLICATION DATA:

APPLICATION NUMBER: WO 93/11755
FILING DATE: 18-DEC-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/809,980
FILING DATE: 18-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9979
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
US-08-472-817-1

Query Match 100.0%; Score 26; DB 2; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
|||
DB 39 CXXXXXXXC 48

RESULT 46

US-08-372-218-1
; Sequence 1, Application US/08372218
; Patent No. 5990163
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Mangelsdorf, David J.
; APPLICANT: Heyman, Richard A.
; APPLICANT: Boehm, Marcus F.
; APPLICANT: Harmon, Margaret A.
; TITLE OF INVENTION: SELECTIVE MODULATION OF PROCESSES
; TITLE OF INVENTION: MEDIATED BY RETINOID X RECEPTORS, AND COMPOUNDS USEFUL
; TITLE OF INVENTION: THEREFOR
; FILE REFERENCE: P41 9843
; CURRENT APPLICATION NUMBER: US/08/372,218
; CURRENT FILING DATE: 1995-01-13
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Nuclear/intracellular receptors
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: 7,9,11,13,22,27,62,65, 70
; OTHER INFORMATION: Residues that are almost universally conserved,
; OTHER INFORMATION: but for which variations have been found in some
; OTHER INFORMATION: identified hormone receptors
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (1)...(71)
; OTHER INFORMATION: Xaa = No. 5990163-conserved Amino Acids within the
; OTHER INFORMATION: DNA-binding domain
US-08-372-218-1

Query Match 100.0%; Score 26; DB 2; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
|||
DB 39 CXXXXXXXC 48

Db 39 CXXXXXXXC 48

RESULT 47

US-08-464-514-3
; Sequence 3, Application US/08464514
; Patent No. 6265173
; GENERAL INFORMATION:
; APPLICANT: EVANS, RONALD M.
; APPLICANT: MCKEOWN, MICHAEL B.
; APPLICANT: ORO, ANTHONY E.
; APPLICANT: SEGRAVES, WILLIAM A.
; APPLICANT: YAO, TSO-PANG
; TITLE OF INVENTION: MULTIMERIC FORMS OF MEMBERS OF THE
; TITLE OF INVENTION: STEROID/THYROID SUPERFAMILY OF RECEPTORS WITH THE
; TITLE OF INVENTION: ULTRASPIRACLE RECEPTOR
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: California
; COUNTRY: United States
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/464,514
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 07/907,908
; FILING DATE:
; ATTORNEY/AGENT INFORMATION:
; NAME: Reiter,, Stephen E.
; REGISTRATION NUMBER: 31192
; REFERENCE/DOCKET NUMBER: P41 9321
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 546-4737
; TELEFAX: (619) 546-9392
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 71 amino acids
; TYPE: amino acid
; STRANDEDNESS: unknown
; TOPOLOGY: unknown
; MOLECULE TYPE: peptide
US-08-464-514-3

Query Match 100.0%; Score 26; DB 3; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | |
Db 39 CXXXXXXXC 48

RESULT 48

US-08-802-468-1
; Sequence 1, Application US/08802468
; Patent No. 6278040
; GENERAL INFORMATION:
; APPLICANT: Sucov, Henry M.
; Evans, Ronald M.
; Chien, Kenneth R.
; TITLE OF INVENTION: RECEPTOR-DEFICIENT ANIMALS AND CELL
; LINES DERIVED THEREFROM, AND USES THEREOF
; NUMBER OF SEQUENCES: 10
; CORRESPONDENCE ADDRESS:

ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles
STATE: CA
COUNTRY: USA
ZIP: 90071
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/802,468
FILING DATE: 19-Feb-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/241,044
FILING DATE: 10-MAY-1994
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9749
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-4737
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-802-468-1

Query Match 100.0%; Score 26; DB 3; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | |
Db 39 CXXXXXXXC 48

RESULT 49

US-08-486-403-3
; Sequence 3, Application US/08486403
; Patent No. 6281330
; GENERAL INFORMATION:
; APPLICANT: EVANS, RONALD M.
; APPLICANT: MCKEOWN, MICHAEL B.
; APPLICANT: ORO, ANTHONY E.
; APPLICANT: SEGRAVES, WILLIAM A.
; APPLICANT: YAO, TSO-PANG
; TITLE OF INVENTION: MULTIMERIC FORMS OF MEMBERS OF THE
; TITLE OF INVENTION: STEROID/THYROID SUPERFAMILY OF RECEPTORS WITH THE
; TITLE OF INVENTION: ULTRASPIRACLE RECEPTOR
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: PRETTY, SCHROEDER, BRUEGGEMANN & CLARK
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: California
; COUNTRY: United States
; ZIP: 90071
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/486,403
; FILING DATE:
; CLASSIFICATION: 435

;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER: US 07/907,908
;; FILING DATE: 02-JUL-1992
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Reiter, Stephen E.
;; REGISTRATION NUMBER: 31192
;; REFERENCE/DOCKET NUMBER: P41 9321
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: (619) 546-4737
;; TELEFAX: (619) 546-9392
;; INFORMATION FOR SEQ ID NO: 3:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 71 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: unknown
;; TOPOLOGY: unknown
;; MOLECULE TYPE: peptide
US-08-486-403-3

Query Match 100.0%; Score 26; DB 3; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 39 CXXXXXXXXXC 48

RESULT 50

US-08-891-298-1
; Sequence 1, Application US/08891298
; Patent No. 6300488

;; GENERAL INFORMATION:
;; APPLICANT: Gage, Frederick H.
;; APPLICANT: Suhr, Steven T.
;; TITLE OF INVENTION: Modified Lepidopteran Receptors
;; TITLE OF INVENTION: and Hybrid Multi-Functional Proteins for Use in Transcription
;; TITLE OF INVENTION: and Transgene Expression Regulation
;; NUMBER OF SEQUENCES: 4

;; CORRESPONDENCE ADDRESS:
;; ADDRESSEE: Gray Cary Ware & Freidenrich
;; STREET: 4365 Executive Drive, Suite 1600
;; CITY: San Diego
;; STATE: CA
;; COUNTRY: USA
;; ZIP: 92121

;; COMPUTER READABLE FORM:
;; MEDIUM TYPE: Diskette
;; COMPUTER: IBM Compatible
;; OPERATING SYSTEM: DOS
;; SOFTWARE: FastSeq for Windows DEMONSTRATION Version 2.0D
;; CURRENT APPLICATION DATA:
;; APPLICATION NUMBER: US/08/891,298
;; FILING DATE:

;; CLASSIFICATION: 800
;; PRIOR APPLICATION DATA:
;; APPLICATION NUMBER:
;; FILING DATE:
;; ATTORNEY/AGENT INFORMATION:
;; NAME: Reiter, Stephen E.
;; REGISTRATION NUMBER: 31,192
;; REFERENCE/DOCKET NUMBER:
;; TELECOMMUNICATION INFORMATION:
;; TELEPHONE: 619-677-1409
;; TELEFAX: 619-677-1465
;; TELEX:

;; INFORMATION FOR SEQ ID NO: 1:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 71 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear

US-08-891-298-1

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 39 CXXXXXXXXXC 48

RESULT 51

US-09-079-570B-1
; Sequence 1, Application US/09079570B
; Patent No. 6333318

;; GENERAL INFORMATION:
;; APPLICANT: EVANS, Ronald
;; APPLICANT: SAEZ, Enrique
;; TITLE OF INVENTION: FORMULATIONS USEFUL FOR MODULATING EXPRESSION OF EXOGENOUS
;; TITLE OF INVENTION: GENES IN MAMMALIAN SYSTEMS, AND PRODUCTS RELATED THERETO
;; FILE REFERENCE: SALK2310

;; CURRENT APPLICATION NUMBER: US/09/079,570B
;; CURRENT FILING DATE: 1998-05-14
;; PRIOR APPLICATION NUMBER: PCT/US 99/08381
;; PRIOR FILING DATE: 1999-04-16
;; NUMBER OF SEQ ID NOS: 27
;; SOFTWARE: PatentIn version 3.0
;; SEQ ID NO 1

; LENGTH: 71

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; NAME/KEY: misc feature

; OTHER INFORMATION: Binding domain of the steroid/thyroid hormone superfamily of

; OTHER INFORMATION: receptor

; NAME/KEY: VARIANT

; LOCATION: (1)..(71)

; OTHER INFORMATION: Xaa is any amino acid

US-09-079-570B-1

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
|||
Db 39 CXXXXXXXXXC 48

RESULT 52

US-08-846-881A-1

; Sequence 1, Application US/08846881A
; Patent No. 6387673

; GENERAL INFORMATION:

; APPLICANT: EVANS, Ronald M

; APPLICANT: NAGY, Laszlo

; TITLE OF INVENTION: COMPOUNDS USEFUL FOR THE MODULATION OF PROCESSES
; TITLE OF INVENTION: MEDIATED BY NUCLEAR HORMONE RECEPTORS, METHODS FOR THE
; TITLE OF INVENTION: IDENTIFICATION AND USE OF SUCH COMPOUNDS

; FILE REFERENCE: Salk2110/08/846,881

; CURRENT APPLICATION NUMBER: US/08/846,881A

; CURRENT FILING DATE: 1997-05-01

; NUMBER OF SEQ ID NOS: 2

; SOFTWARE: PatentIn Ver. 2.1

; SEQ ID NO 1

; LENGTH: 71

; TYPE: PRT

; ORGANISM: Artificial Sequence

; FEATURE:

; OTHER INFORMATION: Description of Artificial Sequence: Highly

; OTHER INFORMATION: Conserved Amino Acids of the DNA Binding Domains

; OTHER INFORMATION: of the steroid/thyroid superfamily of receptors.

; NAME/KEY: VARIANT

; LOCATION: (1)..(71)

```
; OTHER INFORMATION: Xaa is any amino acid
US-08-846-881A-1
Query Match      100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
   |||||
Db 39 CXXXXXXXXC 48

RESULT 53
US-09-352-816-1
; Sequence 1, Application US/09352816
; Patent No. 6436993
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Tontoz, Peter
; APPLICANT: Nagy, Laszlo
; TITLE OF INVENTION: USE OF RAR ANTAGONISTS AS MODULATORS OF
; TITLE OF INVENTION: HORMONE MEDIATED PROCESSES
; FILE REFERENCE: Salk2060
; CURRENT APPLICATION NUMBER: US/09/352,816
; CURRENT FILING DATE: 1999-07-13
; NUMBER OF SEQ ID NOS: 1
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 1
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: general sequence for DNA binding domain for
; OTHER INFORMATION: members of the steroid/thyroid hormone receptor
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (2)...(3)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (5)...(6)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (8)...(8)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (10)...(10)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (12)...(12)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (14)...(17)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (19)...(20)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (23)...(23)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (26)...(26)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
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; LOCATION: (28)...(38)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids;
; OTHER INFORMATION: 37-38 are optional residues
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (40)...(47)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids;
; OTHER INFORMATION: 45-47 are optional residues
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (49)...(51)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (53)...(54)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (56)...(57)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (59)...(60)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (63)...(64)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (67)...(69)
; OTHER INFORMATION: each Xaa designates non-conserved amino acids
; US-09-352-816-1
Query Match      100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXC 10
   |||||
Db 39 CXXXXXXXXC 48

RESULT 54
US-08-877-966B-1
; Sequence 1, Application US/08877966B
; Patent No. 6458926
; GENERAL INFORMATION:
; APPLICANT: Evans, Ronald M.
; APPLICANT: Fortan, Barry M.
; APPLICANT: Umesono, Kazuhiko
; TITLE OF INVENTION: ALLOSTERIC CONTROL OF NUCLEAR HORMONE RECEPTORS
; NUMBER OF SEQUENCES: 14
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Gray Cary Ware & Freidenrich
; STREET: 4365 Executive Drive, Suite 1600
; CITY: San Diego
; STATE: CA
; COUNTRY: USA
; ZIP: 92121
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows DEMONSTRATION Version 2.0D
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/877,966B
; FILING DATE: 17-JUN-1997
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/372,217
; FILING DATE: 13-JAN-1995
; ATTORNEY/AGENT INFORMATION:
```


; NAME: Reiter, Stephen E
; REGISTRATION NUMBER: 31,192
; REFERENCE/DOCKET NUMBER: SALK 1450-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 619-677-1409
; TELEFAX: 619-677-1465
; TELEX:
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 71 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
US-08-877-966B-1

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
||| |||||
Db 39 CXXXXXXXXC 48

RESULT 55

US-07-672-530C-33
; Sequence 33, Application US/07672530C
; Patent No. 6492137

GENERAL INFORMATION:

; APPLICANT: SUCOV, HENRY M
; APPLICANT: EVANS, RONALD M
; APPLICANT: UMESONO, KAZUHIKO
; TITLE OF INVENTION: RESPONSE ELEMENT COMPOSITIONS AND ASSAYS EMPLOYING SAME
; FILE REFERENCE: 08802/1552
; CURRENT APPLICATION NUMBER: US/07/672,530C
; PRIOR FILING DATE: 1991-03-19
; PRIOR FILING DATE: 1989-11-16
; NUMBER OF SEQ ID NOS: 51
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 33
; LENGTH: 71
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Highly
; OTHER INFORMATION: Conserved Amino Acids of the DNA-Binding Domain of
; OTHER INFORMATION: Members of the Superfamily

; NAME/KEY: MOD_RES
; LOCATION: (2)..(3)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (5)..(6)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (8)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (10)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (12)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (14)..(17)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (19)..(20)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (23)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES

; LOCATION: (26)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (28)..(38)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (40)..(47)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (49)..(51)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (53)..(54)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (56)..(57)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (59)..(60)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (63)..(64)
; OTHER INFORMATION: any amino acid
; NAME/KEY: MOD_RES
; LOCATION: (67)..(69)
; OTHER INFORMATION: any amino acid
US-07-672-530C-33

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXC 10
||| |||||
Db 39 CXXXXXXXXC 48

RESULT 56

US-08-480-967-1
; Sequence 1, Application US/08480967
; Patent No. 6506917

GENERAL INFORMATION:

; APPLICANT: Evans, Ronald M.
; Mangelndorf, David J.
; Heyman, Richard A.
; Boehm, Marcus F.
; Eichele, Gregor
; Thaller, Christina
; TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
; MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
; THEREFOR

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

; ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
; STREET: 444 South Flower Street, Suite 2000
; CITY: Los Angeles
; STATE: CA
; COUNTRY: USA
; ZIP: 90071

COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/480,967
; FILING DATE: 19-Sep-2002
; CLASSIFICATION: <Unknown>

PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US/08/472,817
; FILING DATE: 07-JUN-1995
; APPLICATION NUMBER: US 08/244,857
; FILING DATE: 14-JUN-1994

APPLICATION NUMBER: WO 93/11755
FILING DATE: 18-DEC-1992
APPLICATION NUMBER: US 07/809,980
FILING DATE: 18-DEC-1991
ATTORNEY/AGENT INFORMATION:
NAME: Reiter, Stephen E.
REGISTRATION NUMBER: 31,192
REFERENCE/DOCKET NUMBER: P41 9979
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-08-480-967-1

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48

RESULT 57

US-09-350-648-1
Sequence 1, Application US/09350648
Patent No. 6576676

GENERAL INFORMATION:

APPLICANT: Evans, Ronald M.
Mangelsdorf, David J.
Heyman, Richard A.
Boehm, Marcus F.
Bichele, Gregor
Thaller, Christina

TITLE OF INVENTION: MEANS FOR THE MODULATION OF PROCESSES
MEDIATED BY RETINOID RECEPTORS AND COMPOUNDS USEFUL
THEREFOR

NUMBER OF SEQUENCES: 2

CORRESPONDENCE ADDRESS:

ADDRESSEE: Pretty, Schroeder, Brueggemann & Clark
STREET: 444 South Flower Street, Suite 2000
CITY: Los Angeles

STATE: CA

COUNTRY: USA

ZIP: 90071

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.25

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/09/350,648

FILING DATE: 09-Jul-1999

CLASSIFICATION: 424

PRIOR APPLICATION DATA:

APPLICATION NUMBER: US/08/472,817

FILING DATE: 07-JUN-1995

APPLICATION NUMBER: US 08/244,857

FILING DATE: 14-JUN-1994

APPLICATION NUMBER: WO 93/11755

FILING DATE: 18-DEC-1992

APPLICATION NUMBER: US 07/809,980

FILING DATE: 18-DEC-1991

ATTORNEY/AGENT INFORMATION:

NAME: Reiter, Stephen E.

REGISTRATION NUMBER: 31,192

REFERENCE/DOCKET NUMBER: P41 9979
TELECOMMUNICATION INFORMATION:
TELEPHONE: 619-546-1995
TELEFAX: 619-546-9392
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 71 amino acids
TYPE: amino acid
TOPOLOGY: unknown
MOLECULE TYPE: protein
FRAGMENT TYPE: internal
SEQUENCE DESCRIPTION: SEQ ID NO: 1:
US-09-350-648-1

Query Match 100.0%; Score 26; DB 4; Length 71;
Best Local Similarity 100.0%; Pred. No. 15;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
Db 39 CXXXXXXXC 48

RESULT 58

US-08-291-060B-3

Sequence 3, Application US/08291060B

Patent No. 5728543

GENERAL INFORMATION:

APPLICANT: Dorschug, Michael

APPLICANT: Koller, Klaus-Peter

APPLICANT: Marquardt, Rudiger

APPLICANT: Meiwes, Johannes

TITLE OF INVENTION: An Enzymatic Process for the

Conversion of Preproinsulins Into Insulins

NUMBER OF SEQUENCES: 5

CORRESPONDENCE ADDRESS:

ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &

ADDRESSEE: Dunner, L.L.P.

STREET: 1300 I Street, N.W.

CITY: Washington

STATE: D.C.

COUNTRY: USA

ZIP: 20005-3315

COMPUTER READABLE FORM:

MEDIUM TYPE: Floppy disk

COMPUTER: IBM PC compatible

OPERATING SYSTEM: PC-DOS/MS-DOS

SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:

APPLICATION NUMBER: US/08/291,060B

FILING DATE: 08-AUG-1994

CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:

NAME: Einaudi, Carol P.

REGISTRATION NUMBER: 32,220

REFERENCE/DOCKET NUMBER: 02481.1105-02000

TELECOMMUNICATION INFORMATION:

TELEPHONE: (202) 408-4366

TELEFAX: (202) 408-4400

INFORMATION FOR SEQ ID NO: 3:

SEQUENCE CHARACTERISTICS:

LENGTH: 122 amino acids

TYPE: amino acid

STRANDEDNESS: single

TOPOLOGY: linear

MOLECULE TYPE: peptide

FEATURE:

NAME/KEY: Peptide

LOCATION: 1..30

OTHER INFORMATION: /note= "May be cleaved off, or if

OTHER INFORMATION: present, C-terminal must be Arg preceded by 1-29 Xaa's."

FEATURE:

NAME/KEY: Peptide

```
/ LOCATION: 61..91
/ OTHER INFORMATION: /note= "If Xaa at position 61 is
/ OTHER INFORMATION: L-arginine, then 62-91 are missing. If not, then 61-91 are b
/ OTHER INFORMATION: C-chain of human or animal proinsulin."
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 112
/ OTHER INFORMATION: /note= "Xaa is an amino acid from
/ OTHER INFORMATION: the group comprising Asn, Gln, Asp, Gly, Ser, Thr, Ala c
/ OTHER INFORMATION: Met, and if hydroxy substituted, then peptide terminates at b
/ OTHER INFORMATION: position."
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 113..122
/ OTHER INFORMATION: /note= "If present, up to 8 amino
/ OTHER INFORMATION: acids may be missing."
US-08-291-060B-3
Query Match 100.0%; Score 26; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | | | | |
Db 102 CXXXXXXXC 111
```

RESULT 59

```
US-08-291-060B-4
; Sequence 4, Application US/08291060B
; Patent No. 5728543
; GENERAL INFORMATION:
; APPLICANT: Dorschug, Michael
; APPLICANT: Koller, Klaus-Peter
; APPLICANT: Marquardt, Rudiger
; APPLICANT: Meiwes, Johannes
; TITLE OF INVENTION: An Enzymatic Process for the
; TITLE OF INVENTION: Conversion of Preproinsulins Into Insulins
; NUMBER OF SEQUENCES: 5
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
; ADDRESSEE: Dunner, L.L.P.
; STREET: 1300 I Street, N.W.
; CITY: Washington
; STATE: D.C.
; COUNTRY: USA
; ZIP: 20005-3315
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/291,060B
; FILING DATE: 08-AUG-1994
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Einaudi, Carol P.
; REGISTRATION NUMBER: 32,220
; REFERENCE/DOCKET NUMBER: 02481.1105-02000
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (202) 408-4366
; TELEFAX: (202) 408-4400
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 122 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Peptide
; LOCATION: 1..30
```

```
/ OTHER INFORMATION: /note= "May be cleaved off, or if
/ OTHER INFORMATION: present, C-terminal must be Arg preceded by 1-29 Xaa's."
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 61..91
/ OTHER INFORMATION: /note= "If Xaa at position 61 is
/ OTHER INFORMATION: L-arginine, then 62-91 are missing. If not, then 61-91 ;
/ OTHER INFORMATION: C-chain of human or animal proinsulin."
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 112
/ OTHER INFORMATION: /note= "If hydroxy substituted, then
/ OTHER INFORMATION: peptide terminates at this position."
/ FEATURE:
/ NAME/KEY: Peptide
/ LOCATION: 113..122
/ OTHER INFORMATION: /note= "If present, up to 8 amino acids
/ OTHER INFORMATION: may be missing."
US-08-291-060B-4
Query Match 100.0%; Score 26; DB 1; Length 122;
Best Local Similarity 100.0%; Pred. No. 18;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXC 10
| | | | | | | |
Db 102 CXXXXXXXC 111

RESULT 60
US-09-253-316-23
; Sequence 23, Application US/09253316
; Patent No. 6395890
; GENERAL INFORMATION:
; APPLICANT: Sheppard, Paul O.
; APPLICANT: Jaspers, Stephen R.
; TITLE OF INVENTION: CONNECTIVE TISSUE GROWTH FACTOR HOMOLOGS
; FILE REFERENCE: 97-75
; CURRENT APPLICATION NUMBER: US/09/253,316
; CURRENT FILING DATE: 1999-02-19
; EARLIER APPLICATION NUMBER: US 60/075,300
; EARLIER FILING DATE: 1998-02-20
; NUMBER OF SEQ ID NOS: 34
; SOFTWARE: FastSeq for Windows Version 3.0
; SEQ ID NO 23
; LENGTH: 127
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: connective tissue growth factor family motif
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (2)...(9)
; OTHER INFORMATION: Xaa is any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (10)...(11)
; OTHER INFORMATION: Xaa is any amino acid or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (13)...(31)
; OTHER INFORMATION: Xaa is any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (32)...(32)
; OTHER INFORMATION: Xaa is any amino acid or not present
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (34)...(38)
; OTHER INFORMATION: Xaa is any amino acid
; FEATURE:
; NAME/KEY: VARIANT
; LOCATION: (39)...(40)
```

OTHER INFORMATION: Xaa is any amino acid or not present
FEATURE:
NAME/KEY: VARIANT
LOCATION: (42)...(53)
OTHER INFORMATION: Xaa is any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (54)...(54)
OTHER INFORMATION: Xaa is any amino acid or not present
FEATURE:
NAME/KEY: VARIANT
LOCATION: (56)...(62)
OTHER INFORMATION: Xaa is any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (63)...(63)
OTHER INFORMATION: Xaa is any amino acid or not present
FEATURE:
NAME/KEY: VARIANT
LOCATION: (65)...(106)
OTHER INFORMATION: Xaa is any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (107)...(108)
OTHER INFORMATION: Xaa is any amino acid or not present
FEATURE:
NAME/KEY: VARIANT
LOCATION: (110)...(122)
OTHER INFORMATION: Xaa is any amino acid
FEATURE:
NAME/KEY: VARIANT
LOCATION: (123)...(126)
OTHER INFORMATION: Xaa is any amino acid or not present
US-09-253-316-23

Query Match 100.0%; Score 26; DB 4; Length 127;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXC 10
Db 55 CXXXXXXXXC 64

RESULT 61
US-08-291-060B-2
Sequence 2, Application US/08291060B
Patent No. 5728543
GENERAL INFORMATION:
APPLICANT: Dorschug, Michael
APPLICANT: Koller, Klaus-Peter
APPLICANT: Marquardt, Rudiger
APPLICANT: Meiwes, Johannes
TITLE OF INVENTION: An Enzymatic Process for the
TITLE OF INVENTION: Conversion of Preproinsulins Into Insulins
NUMBER OF SEQUENCES: 5
CORRESPONDENCE ADDRESS:
ADDRESSEE: Finnegan, Henderson, Farabow, Garrett &
ADDRESSEE: Dunner, L.L.P.
STREET: 1300 I Street, N.W.
CITY: Washington
STATE: D.C.
COUNTRY: USA
ZIP: 20005-3315
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/291.060B
FILING DATE: 08-AUG-1994
CLASSIFICATION: 435

ATTORNEY/AGENT INFORMATION:
NAME: Einaudi, Carol P.
REGISTRATION NUMBER: 32,220
REFERENCE/DOCKET NUMBER: 02481.1105-02000
TELECOMMUNICATION INFORMATION:
TELEPHONE: (202) 408-4366
TELEFAX: (202) 408-4400
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 137 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
FEATURE:
NAME/KEY: Peptide
LOCATION: 1..31
OTHER INFORMATION: /note= "All or some of residues may
OTHER INFORMATION: be missing."
FEATURE:
NAME/KEY: Peptide
LOCATION: 127
OTHER INFORMATION: /note= "If hydroxy substituted,
OTHER INFORMATION: peptide terminates with this residue."
FEATURE:
NAME/KEY: Peptide
LOCATION: 128..137
OTHER INFORMATION: /note= "If present, may be missing
OTHER INFORMATION: nine amino acids."
US-08-291-060B-2

Query Match 100.0%; Score 26; DB 1; Length 137;
Best Local Similarity 100.0%; Pred. No. 19;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXC 10
Db 117 CXXXXXXXXC 126

RESULT 62
US-08-568-459A-14
Sequence 14, Application US/08568459A
Patent No. 5849306
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Welles, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobb Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,459A
FILING DATE: 07-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
REGISTRATION NUMBER: 29,655

REFERENCE/DOCKET NUMBER: NIH121.001CP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 271 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-568-459A-14

Query Match 100.0%; Score 26; DB 2; Length 271;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
|||
Db 189 CXXXXXXXXX 198

RESULT 63

US-08-487-826B-26
Sequence 26, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellem, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israelsen, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CP1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 26:
SEQUENCE CHARACTERISTICS:
LENGTH: 271 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal

ORIGINAL SOURCE:
US-08-487-826B-26

Query Match 100.0%; Score 26; DB 2; Length 271;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
|||
Db 189 CXXXXXXXXX 198

RESULT 64

US-09-210-288-14
Sequence 14, Application US/09210288
Patent No. 6392026
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellem, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/210,288
FILING DATE:

CLASSIFICATION:
ATTORNEY/AGENT INFORMATION:
NAME: Fuller, Michael
REGISTRATION NUMBER: 36,516
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 14:
SEQUENCE CHARACTERISTICS:
LENGTH: 271 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-09-210-288-14

Query Match 100.0%; Score 26; DB 4; Length 271;
Best Local Similarity 100.0%; Pred. No. 25;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXX 10
|||
Db 189 CXXXXXXXXX 198

RESULT 65

US-08-568-459A-21

```
; Sequence 21, Application US/08568459A
; Patent No. 5949306
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/568,459A
; FILING DATE: 07-DEC-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-0176
; TELEFAX: (619) 235-8550
; INFORMATION FOR SEQ ID NO: 21:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; US-08-568-459A-21

Query Match 100.0%; Score 26; DB 2; Length 311;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
   |||||
Db 228 CXXXXXXXXXC 237

RESULT 66
US-08-487-826B-33
; Sequence 33, Application US/08487826B
; Patent No. 5993827
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 45
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
```

```
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/487,826B
; FILING DATE: 10-SEP-1993
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: Israel, Ned
; REGISTRATION NUMBER: 29,655
; REFERENCE/DOCKET NUMBER: NIH121.001CP1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 33:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 311 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
; US-08-487-826B-33

Query Match 100.0%; Score 26; DB 2; Length 311;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
   |||||
Db 228 CXXXXXXXXXC 237

RESULT 67
US-09-210-288-21
; Sequence 21, Application US/09210288
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE:
; CLASSIFICATION:
```

ATTORNEY/AGENT INFORMATION:
NAME: Fuller, Michael
REGISTRATION NUMBER: 36,516
REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 21:
SEQUENCE CHARACTERISTICS:
LENGTH: 311 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-09-210-288-21

Query Match 100.0%; Score 26; DB 4; Length 311;
Best Local Similarity 100.0%; Pred. No. 26;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 CXXXXXXXXXC 10
Db 228 CXXXXXXXXXC 237

RESULT 68
US-08-568-459A-17
Sequence 17, Application US/08568459A
Patent No. 5849306
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellem, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 37
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/568,459A
FILING DATE: 07-DEC-1995
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israel, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 17:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide

HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-568-459A-17
Query Match 100.0%; Score 26; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 311 CXXXXXXXXXC 320
RESULT 69
US-08-487-826B-29
Sequence 29, Application US/08487826B
Patent No. 5993827
GENERAL INFORMATION:
APPLICANT: Sim, Kim L.
APPLICANT: Chitnis, Chetan
APPLICANT: Miller, Louis H.
APPLICANT: Peterson, David S.
APPLICANT: Su, Xin-zhaun
APPLICANT: Wellem, Thomas E.
TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
TITLE OF INVENTION: AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
NUMBER OF SEQUENCES: 45
CORRESPONDENCE ADDRESS:
ADDRESSEE: Knobbe Martens Olson & Bear
STREET: 620 Newport Center Drive 16th Floor
CITY: Newport Beach
STATE: California
COUNTRY: US
ZIP: 92660

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patent in Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/487,826B
FILING DATE: 10-SEP-1993
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: Israel, Ned
REGISTRATION NUMBER: 29,655
REFERENCE/DOCKET NUMBER: NIH121.001CPI
TELECOMMUNICATION INFORMATION:
TELEPHONE: (619) 235-8550
TELEFAX: (619) 235-0176
INFORMATION FOR SEQ ID NO: 29:
SEQUENCE CHARACTERISTICS:
LENGTH: 324 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: NO
ANTI-SENSE: NO
FRAGMENT TYPE: internal
ORIGINAL SOURCE:
US-08-487-826B-29

QY 1 CXXXXXXXXXC 10
Db 311 CXXXXXXXXXC 320

Query Match 100.0%; Score 26; DB 2; Length 324;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 CXXXXXXXXXC 10
Db 311 CXXXXXXXXXC 320

RESULT 70
US-09-210-288-17
; Sequence 17, Application US/09210288
; Patent No. 6392026
; GENERAL INFORMATION:
; APPLICANT: Sim, Kim L.
; APPLICANT: Chitnis, Chetan
; APPLICANT: Miller, Louis H.
; APPLICANT: Peterson, David S.
; APPLICANT: Su, Xin-zhaun
; APPLICANT: Welles, Thomas E.
; TITLE OF INVENTION: BINDING DOMAINS FROM PLASMODIUM VIVAX
; AND PLASMODIUM FALCIPARUM ERYTHROCYTE BINDING PROTEINS
; NUMBER OF SEQUENCES: 37
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Knobbe Martens Olson & Bear
; STREET: 620 Newport Center Drive 16th Floor
; CITY: Newport Beach
; STATE: California
; COUNTRY: US
; ZIP: 92660
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patent in Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/210,288
; FILING DATE:
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: Fuller, Michael
; REGISTRATION NUMBER: 36,516
; REFERENCE/DOCKET NUMBER: NIH121.1FWDV1
; TELEPHONE: (619) 235-8550
; TELEFAX: (619) 235-0176
; INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 324 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: NO
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
; ORIGINAL SOURCE:
US-09-210-288-17

Query Match 100.0%; Score 26; DB 4; Length 324;
Best Local Similarity 100.0%; Pred. No. 27;
Matches 10; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 CXXXXXXXXXC 10
| | | | | | | | | |
Db 311 CXXXXXXXXXC 320

Search completed: May 4, 2004, 07:13:57
Job time : 24 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 13.44 Seconds
(without alignments)
30.730 Million cell updates/sec

Title: US-10-046-922-68

Perfect score: 39

Sequence: 1 GYXXWX 8

Scoring table: BLOSUM62XX

Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0

Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Listing first 45 summaries

Database : Issued Patents AA:*

- 1: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
- 2: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
- 3: /cgn2_6/ptodata/2/iaa/5A COMB.pep.*
- 4: /cgn2_6/ptodata/2/iaa/5B COMB.pep.*
- 5: /cgn2_6/ptodata/2/iaa/PTUS COMB.pep.*
- 6: /cgn2_6/ptodata/2/iaa/backfiles1.pep.*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match %	Query Length	DB ID	Description
1	26	66.7	8	4	US-09-350-641C-1668
2	25	64.1	16	4	US-08-990-888-4
3	25	64.1	90	4	US-08-936-165A-262
4	25	64.1	887	3	US-08-472-240A-2
5	25	64.1	906	3	US-08-472-240A-3
6	24	61.5	5	1	US-08-353-400-27
7	24	61.5	5	4	US-08-753-750B-38
8	24	61.5	5	6	5185431-15
9	24	61.5	6	1	US-07-718-577-6
10	24	61.5	7	4	US-09-388-788-2
11	24	61.5	8	3	US-08-586-670A-17
12	24	61.5	8	4	US-09-125-641-1
13	24	61.5	8	4	US-09-125-641-2
14	24	61.5	9	3	US-08-433-522A-13
15	24	61.5	9	3	US-09-135-166-13
16	24	61.5	9	3	US-08-942-046-13
17	24	61.5	9	4	US-09-125-641-29
18	24	61.5	10	1	US-08-604-913B-2
19	24	61.5	10	1	US-08-465-391A-336
20	24	61.5	10	2	US-08-464-538B-334
21	24	61.5	10	2	US-08-463-0765-339
22	24	61.5	10	4	US-09-125-641-3
23	24	61.5	10	4	US-09-125-641-19
24	24	61.5	10	4	US-09-428-082B-927
25	24	61.5	11	1	US-08-190-788A-116
26	24	61.5	11	1	US-08-383-474B-121
27	24	61.5	11	1	US-08-465-391A-116

28	61.5	11	1	US-08-465-391A-315	Sequence 315, App
29	61.5	11	1	US-08-465-391A-316	Sequence 316, App
30	61.5	11	1	US-08-465-391A-320	Sequence 320, App
31	61.5	11	1	US-08-465-391A-321	Sequence 321, App
32	61.5	11	1	US-08-465-391A-322	Sequence 322, App
33	61.5	11	1	US-08-465-391A-323	Sequence 323, App
34	61.5	11	1	US-08-465-391A-324	Sequence 324, App
35	61.5	11	1	US-08-465-391A-337	Sequence 337, App
36	61.5	11	1	US-08-465-391A-338	Sequence 338, App
37	61.5	11	1	US-08-465-391A-339	Sequence 339, App
38	61.5	11	1	US-08-465-391A-343	Sequence 343, App
39	61.5	11	1	US-08-465-391A-344	Sequence 344, App
40	61.5	11	1	US-08-465-391A-345	Sequence 345, App
41	61.5	11	1	US-08-465-391A-346	Sequence 346, App
42	61.5	11	1	US-08-465-391A-347	Sequence 347, App
43	61.5	11	1	US-08-465-391A-349	Sequence 349, App
44	61.5	11	2	US-08-464-538B-116	Sequence 116, App
45	61.5	11	2	US-08-464-538B-313	Sequence 313, App

ALIGNMENTS

RESULT 1

US-09-350-641C-1668

Sequence 1668, Application US/09350641C

Patent No. 6656906

GENERAL INFORMATION:

APPLICANT: Baxley, S.

APPLICANT: Guthrie, K.

APPLICANT: Merutka, G.

APPLICANT: Anwer, M.

APPLICANT: Lambert, D.

TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC

PROPERTIES

FILE REFERENCE: 7872-067

CURRENT APPLICATION NUMBER: US/09/350,641C

CURRENT FILING DATE: 1999-07-09

PRIOR APPLICATION NUMBER: 09/315,304

PRIOR FILING DATE: 1999-05-20

PRIOR APPLICATION NUMBER: 09/082,279

PRIOR FILING DATE: 1998-05-20

NUMBER OF SEQ ID NOS: 1757

SOFTWARE: FastSeq for Windows Version 3.0

SEQ ID NO 1668

LENGTH: 8

TYPE: PRT

ORGANISM: HIV-1

FEATURE:

NAME/KEY: SITE

LOCATION: (1)...(8)

OTHER INFORMATION: Xaa=unknown amino acid

US-09-350-641C-1668

Query Match 66.7%; Score 26; DB 4; Length 8;

Best Local Similarity 100.0%; Pred. No. 3e+05; 0;

Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXWX 8

Db 1 WXXXWX 6

RESULT 2

US-08-990-888-4

Sequence 4, Application US/08990888B

Patent No. 6387879

GENERAL INFORMATION:

APPLICANT: Blume, Arthur J.

APPLICANT: Brissette, Renee

APPLICANT: Carcamo, Juan

APPLICANT: Mandecki, Wlodek S.

APPLICANT: Tang, Pauline M.

;; TITLE OF INVENTION: Assays For Compounds Which Bind Growth Hormone Receptor
;; FILE REFERENCE: 2598-4002
;; CURRENT APPLICATION NUMBER: US/08/990,888B
;; CURRENT FILING DATE: 1997-12-15
;; NUMBER OF SEQ ID NOS: 81
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 4
;; LENGTH: 16
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: consensus sequence, wherein X1 is S, R, T, N, H,
;; OTHER INFORMATION: or A; X2 is L, W, or F; X3 is G, A, V, P, Q, E, or
;; OTHER INFORMATION: R; X4 is V, I, A, L, D, E, P, or F; X5 is T, G, S,
;; OTHER INFORMATION: R, K, N, A, L, or W; X6 is Y, W, F, or Q;
;; FEATURE:
;; OTHER INFORMATION: X7 is L, V, or I; X8 is A, T, S, V, W, or D; X9
;; OTHER INFORMATION: is G, A, S, or R
US-08-990-888-4

Query Match 54.1%; Score 25; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXW 7
Db 11 WXXXW 15

RESULT 3
US-08-936-165A-262
; Sequence 262, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; TITLE OF INVENTION: Polypeptides and Their Uses
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090

TELEX:
; INFORMATION FOR SEQ ID NO: 262:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 90 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: Protein
US-08-936-165A-262

Query Match 64.1%; Score 25; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWX 4
Db 76 GYWX 79

RESULT 4
US-08-472-240A-2
; Sequence 2, Application US/08472240A
; Patent No. 6284248
; GENERAL INFORMATION:
; APPLICANT: KIENY, Marie-Paule
; TITLE OF INVENTION: NOVEL HYBRID, SOLUBLE AND UNCLEAVED
; TITLE OF INVENTION: gp160 VARIANT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,240A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/956,483
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 017753-055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 887 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..854
US-08-472-240A-2

Query Match 64.1%; Score 25; DB 3; Length 887;
Best Local Similarity 100.0%; Pred. No. 3.8e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXW 7
Db 14 WXXXW 18

RESULT 5
US-08-472-240A-3
; Sequence 3, Application US/08472240A
; Patent No. 6284248
; GENERAL INFORMATION:
; APPLICANT: KIENY, Marie-Paule
; TITLE OF INVENTION: NOVEL HYBRID, SOLUBLE AND UNCLEAVED
; TITLE OF INVENTION: GP160 VARIANT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,240A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/956,483
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 017753-055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 906 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..873
US-08-472-240A-3

Query Match 64.1%; Score 25; DB 3; Length 906;
Best Local Similarity 100.0%; Pred. No. 3.9e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 3 WXXXW 7
Db 14 WXXXW 18

RESULT 6
US-08-353-400-27
; Sequence 27, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/353,400

; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-353-400-27

Query Match 61.5%; Score 24; DB 1; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 1 GYW 3

RESULT 7
US-08-753-750B-38
; Sequence 38, Application US/08753750B
; Patent No. 6610506
; GENERAL INFORMATION:
; APPLICANT: Lo, Reggie Y.C.
; APPLICANT: Schryvers, Anthony B.
; APPLICANT: Potter, Andrew A.
; TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS OF
; TITLE OF INVENTION: PASTEURELLA HAEMOLYTICA AND VACCINES CONTAINING THE SAME
; FILE REFERENCE: A34762 021645.0105
; CURRENT APPLICATION NUMBER: US/08/753,750B
; CURRENT FILING DATE: 1996-11-29
; PRIOR APPLICATION NUMBER: CA 2,164,274
; PRIOR FILING DATE: 1995-12-01
; PRIOR APPLICATION NUMBER: 60/008,569
; PRIOR FILING DATE: 1995-12-01
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Pasteurella haemolytica
US-08-753-750B-38

Query Match 61.5%; Score 24; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 3 GYW 5

RESULT 8
5185431-15
; Patent No. 5185431
; APPLICANT: YOSHIMATSU, KENTARO; SHIKATA, YASUSHI; TANAKA, ISAO;
; HASEGAWA, YOSHIKAZU; SETO, TOSHIO; OSAWA, TOSHIO
; TITLE OF INVENTION: RECOMBINANT NATURAL KILLER CELL ACTIVATOR
; NUMBER OF SEQUENCES: 31
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/392,841
; FILING DATE: 11-AUG-1989
; SEQ ID NO: 15
; LENGTH: 5
5185431-15

Query Match 61.5%; Score 24; DB 6; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0;

QY 1 GYW 3
Db 2 GYW 4

RESULT 9

US-07-718-577-6
; Sequence 6, Application US/07718577
; Patent No. 5432018
; GENERAL INFORMATION:
; APPLICANT: Dower, William J.
; APPLICANT: Cwirla, Steven E.
; APPLICANT: Barrett, Ronald W.
; TITLE OF INVENTION: PEPTIDE LIBRARY AND
; TITLE OF INVENTION: SCREENING SYSTEMS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Townsend and Townsend
; STREET: One Market Plaza, Steuart Street
; STREET: Tower
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA
; ZIP: 94105-1492

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/718,577
; FILING DATE: 19910620
; CLASSIFICATION: 435

PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/541,108
; FILING DATE: 20-JUN-1990
; ATTORNEY/AGENT INFORMATION:
; NAME: Smith, William M.

REGISTRATION NUMBER: 30,223
; REFERENCE/DOCKET NUMBER: 11509-25-1
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (415) 326-2400

TELEFAX: (415) 326-2422
; INFORMATION FOR SEQ ID NO: 6:
; SEQUENCE CHARACTERISTICS:

LENGTH: 6 amino acids
; TYPE: AMINO ACID
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
US-07-718-577-6

Query Match 61.5%; Score 24; DB 1; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0;

QY 1 GYW 3
Db 2 GYW 4

RESULT 10

US-09-388-788-2
; Sequence 2, Application US/09388788
; Patent No. 6429359
; GENERAL INFORMATION:
; APPLICANT: LAMPPA, GAYLE

; TITLE OF INVENTION: PRODUCTION OF CELLULOSE IN PLASTIDS OF TRANSGENIC

; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 21459/90301
; CURRENT APPLICATION NUMBER: US/09/388,788
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion Protein
; OTHER INFORMATION: Construct
US-09-388-788-2

Query Match 61.5%; Score 24; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 11

US-08-586-670A-17
; Sequence 17, Application US/08586670A
; Patent No. 6241965
; GENERAL INFORMATION:
; APPLICANT: McBride, William
; APPLICANT: Dean, Richard T.

; TITLE OF INVENTION: Somatostatin Derivatives
; TITLE OF INVENTION: And their Radiolabeled Products
; NUMBER OF SEQUENCES: 23
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Banner & Witcoff, Ltd.
; STREET: 10 South Wacker Drive, Suite 3000
; CITY: Chicago
; STATE: IL
; COUNTRY: USA
; ZIP: 60606

COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/586,670A
; FILING DATE: 22-APR-1996
; CLASSIFICATION: 424

ATTORNEY/AGENT INFORMATION:
; NAME: No. 6241965nan, Kevin E
; REGISTRATION NUMBER: 35,303
; REFERENCE/DOCKET NUMBER: 92,385-DD
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 312-715-1000
; TELEFAX: 312-715-1234
; TELEX: 910-221-5317

INFORMATION FOR SEQ ID NO: 17:
; SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
; TYPE: amino acid
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1..2

OTHER INFORMATION: /label= Variant residues
; OTHER INFORMATION: /note= "Phe is in the D conformation and is
; OTHER INFORMATION: linked to DTPA;
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 1..4

OTHER INFORMATION: /label= Variant residues
OTHER INFORMATION: /note= "The Phe is in the D conformation; Xaa
OTHER INFORMATION: is L-4-chlorophenylalanine; the Trp is in the
OTHER INFORMATION: D conformation;
FEATURE:
NAME/KEY: Modified-site
LOCATION: 7..8
OTHER INFORMATION: /label= Variant residues
OTHER INFORMATION: /note= "The carboxyl group of the C-terminal
OTHER INFORMATION: Thr is reduced to an alcohol;
US-08-586-670A-17
Query Match 61.5%; Score 24; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GYW 3
Db 2 GYW 4
RESULT 12
US-09-125-641-1
Sequence 1, Application US/09125641
Patent No. 6610297
GENERAL INFORMATION:
APPLICANT: Kricek, Franz
APPLICANT: Stadler, Beda
TITLE OF INVENTION: Peptide Immunogens For Vaccination
TITLE OF INVENTION: Against and Treatment of Allergy
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6610297artis Corporation
STREET: 564 Morris Avenue
CITY: Summit
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07901
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/125,641
FILING DATE: 21-AUG-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP97/01013
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9604412.8
FILING DATE: 01-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9617702.7
FILING DATE: 22-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 4-900-9862/A/NFI/PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 522-6923
TELEFAX: (908) 522-6923
INFORMATION FOR SEQ ID NO: 1:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
ANTI-SENSE: NO
FRAGMENT TYPE: internal

US-09-125-641-1
Query Match 61.5%; Score 24; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GYW 3
Db 5 GYW 7
RESULT 13
US-09-125-641-2
Sequence 2, Application US/09125641
Patent No. 6610297
GENERAL INFORMATION:
APPLICANT: Kricek, Franz
APPLICANT: Stadler, Beda
TITLE OF INVENTION: Peptide Immunogens For Vaccination
TITLE OF INVENTION: Against and Treatment of Allergy
NUMBER OF SEQUENCES: 40
CORRESPONDENCE ADDRESS:
ADDRESSEE: No. 6610297artis Corporation
STREET: 564 Morris Avenue
CITY: Summit
STATE: New Jersey
COUNTRY: U.S.A.
ZIP: 07901
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/125,641
FILING DATE: 21-AUG-1998
CLASSIFICATION: 424
PRIOR APPLICATION DATA:
APPLICATION NUMBER: WO PCT/EP97/01013
FILING DATE: 28-FEB-1997
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9604412.8
FILING DATE: 01-MAR-1996
PRIOR APPLICATION DATA:
APPLICATION NUMBER: GB 9617702.7
FILING DATE: 22-AUG-1996
ATTORNEY/AGENT INFORMATION:
NAME: Ferraro, Gregory D.
REGISTRATION NUMBER: 36,134
REFERENCE/DOCKET NUMBER: 4-900-9862/A/NFI/PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (908) 522-6923
TELEFAX: (908) 522-6923
INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 8 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
HYPOTHETICAL: YES
ANTI-SENSE: NO
FRAGMENT TYPE: internal
US-09-125-641-2
Query Match 61.5%; Score 24; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GYW 3
Db 5 GYW 7

RESULT 14
US-08-433-522A-13
; Sequence 13, Application US/08433522A
; Patent No. 6013514
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: THOMAS, Wayne
; APPLICANT: YANG, Yan Ping
; APPLICANT: LOOSMORE, Sheena
; APPLICANT: SIA, Dwo Yuan Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: HAEMOPHILUS OUTER MEMBRANE PROTEIN
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6TH Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: MSG 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,522A
; FILING DATE: 12-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-434 MIS:jb
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-433-522A-13

Query Match 61.5%; Score 24; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GYW 3
Db 6 GYW 8
RESULT 15
US-09-135-166-13
; Sequence 13, Application US/09135166
; Patent No. 6083743
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: THOMAS, Wayne
; APPLICANT: YANG, Yan Ping
; APPLICANT: LOOSMORE, Sheena
; APPLICANT: SIA, Dwo Yuan Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: HAEMOPHILUS OUTER MEMBRANE PROTEIN
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6TH Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada

ZIP: MSG 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/135,166
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/433,522
; FILING DATE: 12-SEP-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-829 MIS:jb
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-135-166-13
Query Match 61.5%; Score 24; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
QY 1 GYW 3
Db 6 GYW 8
Search completed: May 7, 2004, 06:22:38
Job time : 13.44 secs

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OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 11.76 Seconds
(without alignments)
30.730 Million cell updates/sec

Title: US-10-046-922-67
Perfect score: 38
Sequence: 1 GYXXW 7

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 389414 seqs, 51625971 residues

Total number of hits satisfying chosen parameters: 389414

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : Issued Patents AA.*
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2: /cgn2_6/ptodata/2/iaa/5B_COMB.pep:*
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6: /cgn2_6/ptodata/2/iaa/backfiles1.pep:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	25	65.8	8	4	US-09-350-641C-1668
2	25	65.8	16	4	US-08-990-888-4
3	25	65.8	90	4	US-08-936-165A-262
4	25	65.8	887	3	US-08-472-240A-2
5	25	65.8	906	3	US-08-472-240A-3
6	24	63.2	5	1	US-08-353-400-27
7	24	63.2	5	4	US-08-753-750B-38
8	24	63.2	5	6	5185431-15
9	24	63.2	6	1	US-07-718-577-6
10	24	63.2	7	4	US-09-388-788-2
11	24	63.2	8	3	US-08-586-670A-17
12	24	63.2	8	4	US-09-125-641-1
13	24	63.2	8	4	US-09-125-641-2
14	24	63.2	9	3	US-08-433-522A-13
15	24	63.2	9	3	US-09-135-166-13
16	24	63.2	9	3	US-08-942-046-13
17	24	63.2	9	4	US-09-125-641-29
18	24	63.2	10	1	US-08-604-913B-2
19	24	63.2	10	1	US-08-465-391A-336
20	24	63.2	10	2	US-08-464-538B-334
21	24	63.2	10	2	US-08-463-076E-339
22	24	63.2	10	4	US-09-125-641-3
23	24	63.2	10	4	US-09-125-641-19
24	24	63.2	10	4	US-09-428-082B-927
25	24	63.2	11	1	US-08-190-788A-116
26	24	63.2	11	1	US-08-383-474B-121
27	24	63.2	11	1	US-08-465-391A-116

28	24	63.2	11	1	US-08-465-391A-315	Sequence 315, App
29	24	63.2	11	1	US-08-465-391A-316	Sequence 316, App
30	24	63.2	11	1	US-08-465-391A-320	Sequence 320, App
31	24	63.2	11	1	US-08-465-391A-321	Sequence 321, App
32	24	63.2	11	1	US-08-465-391A-322	Sequence 322, App
33	24	63.2	11	1	US-08-465-391A-323	Sequence 323, App
34	24	63.2	11	1	US-08-465-391A-324	Sequence 324, App
35	24	63.2	11	1	US-08-465-391A-337	Sequence 337, App
36	24	63.2	11	1	US-08-465-391A-338	Sequence 338, App
37	24	63.2	11	1	US-08-465-391A-339	Sequence 339, App
38	24	63.2	11	1	US-08-465-391A-343	Sequence 343, App
39	24	63.2	11	1	US-08-465-391A-344	Sequence 344, App
40	24	63.2	11	1	US-08-465-391A-345	Sequence 345, App
41	24	63.2	11	1	US-08-465-391A-346	Sequence 346, App
42	24	63.2	11	1	US-08-465-391A-347	Sequence 347, App
43	24	63.2	11	1	US-08-465-391A-349	Sequence 349, App
44	24	63.2	11	2	US-08-464-538B-116	Sequence 116, App
45	24	63.2	11	2	US-08-464-538B-313	Sequence 313, App

ALIGNMENTS

RESULT 1
US-09-350-641C-1668
; Sequence 1668, Application US/09350641C
; Patent No. 6656906
; GENERAL INFORMATION:
; APPLICANT: Barney, S.
; APPLICANT: Guthrie, K.
; APPLICANT: Merutka, G.
; APPLICANT: Anwer, M.
; APPLICANT: Lambert, D.
; TITLE OF INVENTION: HYBRID POLYPEPTIDES WITH ENHANCED PHARMACOKINETIC
; FILE REFERENCE: 7872-067
; CURRENT APPLICATION NUMBER: US/09/350,641C
; CURRENT FILING DATE: 1999-07-09
; PRIOR APPLICATION NUMBER: 09/315,304
; PRIOR FILING DATE: 1999-05-20
; PRIOR APPLICATION NUMBER: 09/082,279
; PRIOR FILING DATE: 1998-05-20
; NUMBER OF SEQ ID NOS: 1757
; SOFTWARE: FastSEQ for Windows Version 3.0
; SEQ ID NO 1668
; LENGTH: 8
; TYPE: PRT
; ORGANISM: HIV-1
; FEATURE:
; NAME/KEY: SITE
; LOCATION: (1)...(8)
; OTHER INFORMATION: Xaa=unknown amino acid
US-09-350-641C-1668

Query Match 65.8%; Score 25; DB 4; Length 8;
Best Local Similarity 100.0%; Pred.No. 3e+05;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXW 7
| | | | |
Db 1 WXXXW 5

RESULT 2
US-08-990-888-4
; Sequence 4, Application US/08990888B
; Patent No. 6387879
; GENERAL INFORMATION:
; APPLICANT: Blume, Arthur J.
; APPLICANT: Brissette, Renee
; APPLICANT: Carcamo, Juan
; APPLICANT: Mandecki, Wlodeck S.
; APPLICANT: Tang, Pauline M.

;; TITLE OF INVENTION: Assays For Compounds Which Bind Growth Hormone Receptor
;; FILE REFERENCE: 2598-4002
;; CURRENT APPLICATION NUMBER: US/08/990,888B
;; CURRENT FILING DATE: 1997-12-15
;; NUMBER OF SEQ ID NOS: 81
;; SOFTWARE: PatentIn Ver. 2.1
;; SEQ ID NO 4
;; LENGTH: 16
;; TYPE: PRT
;; ORGANISM: Artificial Sequence
;; FEATURE:
;; OTHER INFORMATION: consensus sequence, wherein X1 is S, R, T, N, H,
;; OTHER INFORMATION: or A; X2 is L, W, or F; X3 is G, A, V, P, Q, E, or
;; OTHER INFORMATION: R; X4 is V, I, A, L, D, E, P, or F; X5 is T, G, S,
;; OTHER INFORMATION: R, K, N, A, L, or W; X6 is Y, W, F, or Q;
;; FEATURE:
;; OTHER INFORMATION: X7 is L, V, or I; X8 is A, T, S, V, W, or D; X9
;; OTHER INFORMATION: is G, A, S, or R
US-08-990-888-4

Query Match 65.8%; Score 25; DB 4; Length 16;
Best Local Similarity 100.0%; Pred. No. 1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXW 7
Db 11 WXXXW 15

RESULT 3
US-08-936-165A-262
; Sequence 262, Application US/08936165A
; Patent No. 6348582
; GENERAL INFORMATION:
; APPLICANT: Black, Michael
; APPLICANT: Burnham, Martin
; APPLICANT: Hodgson, John
; APPLICANT: Knowles, David
; APPLICANT: Lonetto, Michael
; APPLICANT: Nicholas, Richard
; APPLICANT: Pratt, Julie
; APPLICANT: Reichard, Richard
; APPLICANT: Rosenberg, Martin
; APPLICANT: Ward, Judith
; TITLE OF INVENTION: No. 6348582el Prokaryotic Polynucleotides,
; TITLE OF INVENTION: Polypeptides and Their Uses
; NUMBER OF SEQUENCES: 534
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: SmithKline Beecham Corporation
; STREET: 709 Swedeland Road
; CITY: King of Prussia
; STATE: PA
; COUNTRY: USA
; ZIP: 19406-0939
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/936,165A
; FILING DATE: 24-SEP-1997
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 60/027,032
; FILING DATE: 24-SEP-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Gimmi, Edward R
; REGISTRATION NUMBER: 38,891
; REFERENCE/DOCKET NUMBER: P50549
; TELEPHONE: 610-270-4478
; TELEFAX: 610-270-5090

;; TELEX:
;; INFORMATION FOR SEQ ID NO: 262:
;; SEQUENCE CHARACTERISTICS:
;; LENGTH: 90 amino acids
;; TYPE: amino acid
;; STRANDEDNESS: single
;; TOPOLOGY: linear
;; MOLECULE TYPE: Protein
US-08-936-165A-262

Query Match 65.8%; Score 25; DB 4; Length 90;
Best Local Similarity 100.0%; Pred. No. 4.9e+02;
Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWX 4
Db 76 GYWX 79

RESULT 4
US-08-472-240A-2
; Sequence 2, Application US/08472240A
; Patent No. 6284248
; GENERAL INFORMATION:
; APPLICANT: KIENY, Marie-Paule
; TITLE OF INVENTION: NOVEL HYBRID, SOLUBLE AND UNCLEAVED
; TITLE OF INVENTION: gp160 VARIANT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,240A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/956,483
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 017753-055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 887 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..854
US-08-472-240A-2

Query Match 65.8%; Score 25; DB 3; Length 887;
Best Local Similarity 100.0%; Pred. No. 3.8e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXW 7
Db 14 WXXXW 18

RESULT 5
US-08-472-240A-3
; Sequence 3, Application US/08472240A
; Patent No. 6284248
; GENERAL INFORMATION:
; APPLICANT: KIENY, Marie-Paule
; TITLE OF INVENTION: NOVEL HYBRID, SOLUBLE AND UNCLEAVED
; TITLE OF INVENTION: gp160 VARIANT
; NUMBER OF SEQUENCES: 29
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: BURNS, DOANE, SWECKER & MATHIS
; STREET: P.O. Box 1404
; CITY: Alexandria
; STATE: Virginia
; COUNTRY: United States
; ZIP: 22313-1404
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/472,240A
; FILING DATE: 07-JUN-1995
; CLASSIFICATION: 435
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 07/956,483
; FILING DATE: 31-DEC-1992
; ATTORNEY/AGENT INFORMATION:
; NAME: Teskin, Robin L.
; REGISTRATION NUMBER: 35,030
; REFERENCE/DOCKET NUMBER: 017753-055
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (703) 836-6620
; TELEFAX: (703) 836-2021
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 906 amino acids
; TYPE: amino acid
; STRANDEDNESS: not relevant
; TOPOLOGY: not relevant
; MOLECULE TYPE: peptide
; FEATURE:
; NAME/KEY: Protein
; LOCATION: 1..873
US-08-472-240A-3

Query Match 65.8%; Score 25; DB 3; Length 906;
Best Local Similarity 100.0%; Pred. No. 3.9e+03;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXW 7
Db 14 WXXW 18

RESULT 6
US-08-353-400-27
; Sequence 27, Application US/08353400
; Patent No. 5665357
; GENERAL INFORMATION:
; APPLICANT:
; TITLE OF INVENTION: PROTEINS
; NUMBER OF SEQUENCES: 37
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25 (EPO)
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/353,400

; FILING DATE:
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9324819.3
; FILING DATE: 03-DEC-1993
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9411089.7
; FILING DATE: 03-JUN-1994
; INFORMATION FOR SEQ ID NO: 27:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 5 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-08-353-400-27

Query Match 63.2%; Score 24; DB 1; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 1 GYW 3

RESULT 7
US-08-753-750B-38
; Sequence 38, Application US/08753750B
; Patent No. 6610506
; GENERAL INFORMATION:
; APPLICANT: Lo, Reggie Y.C.
; APPLICANT: Schryvers, Anthony B.
; APPLICANT: Potter, Andrew A.
; TITLE OF INVENTION: TRANSFERRIN BINDING PROTEINS OF
; TITLE OF INVENTION: PASTEURILLA HAEMOLYTICA AND VACCINES CONTAINING THE SAME
; FILE REFERENCE: A34762 021645.0105
; CURRENT APPLICATION NUMBER: US/08/753,750B
; CURRENT FILING DATE: 1996-11-29
; PRIOR APPLICATION NUMBER: CA 2,164,274
; PRIOR FILING DATE: 1995-12-01
; PRIOR APPLICATION NUMBER: 60/008,569
; PRIOR FILING DATE: 1995-12-01
; NUMBER OF SEQ ID NOS: 68
; SOFTWARE: FastSEQ for Windows Version 4.0
; SEQ ID NO 38
; LENGTH: 5
; TYPE: PRT
; ORGANISM: Pasteurella haemolytica
US-08-753-750B-38

Query Match 63.2%; Score 24; DB 4; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 3 GYW 5

RESULT 8
5185431-15
; Patent No. 5185431
; APPLICANT: YOSHIMATSU, KENTARO; SHIKATA, YASUSHI; TANAKA, ISAO;
; HASEGAWA, YOSHIKAZU; SETO, TOSHIO; OSAWA, TOSHIO
; TITLE OF INVENTION: RECOMBINANT NATURAL KILLER CELL ACTIVATOR
; NUMBER OF SEQUENCES: 31
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/07/392,841
; FILING DATE: 11-AUG-1989
; SEQ ID NO: 15:
; LENGTH: 5
5185431-15

Query Match 63.2%; Score 24; DB 6; Length 5;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 2 GYW 4

RESULT 9

US-07-718-577-6
; Sequence 6, Application US/07718577
; Patent No. 5432018

; GENERAL INFORMATION:

; APPLICANT: Dower, William J.
; APPLICANT: Cwiria, Steven E.
; APPLICANT: Barrett, Ronald W.
; TITLE OF INVENTION: PEPTIDE LIBRARY AND
; TITLE OF INVENTION: SCREENING SYSTEMS
; NUMBER OF SEQUENCES: 22
; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Townsend and Townsend
; STREET: One Market Plaza, Steuart Street
; STREET: Tower
; CITY: San Francisco
; STATE: CA
; COUNTRY: USA

; ZIP: 94105-1492

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/07/718,577
; FILING DATE: 19910620
; CLASSIFICATION: 435

; PRIOR APPLICATION DATA:

; APPLICATION NUMBER: US 07/541,108

; FILING DATE: 20-JUN-1990

; ATTORNEY/AGENT INFORMATION:

; NAME: Smith, William M.

; REGISTRATION NUMBER: 30,223

; REFERENCE/DOCKET NUMBER: 11509-25-1

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: (415) 326-2400

; TELEFAX: (415) 326-2422

; INFORMATION FOR SEQ ID NO: 6:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 6 amino acids

; TYPE: AMINO ACID

; STRANDEDNESS: single

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

US-07-718-577-6

Query Match 63.2%; Score 24; DB 1; Length 6;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 2 GYW 4

RESULT 10

US-09-388-788-2

; Sequence 2, Application US/09388788

; Patent No. 6429359

; GENERAL INFORMATION:

; APPLICANT: LAMPPA, GAYLE

; TITLE OF INVENTION: PRODUCTION OF CELLULOSE IN PLASTIDS OF TRANSGENIC

; TITLE OF INVENTION: PLANTS
; FILE REFERENCE: 21459/90301
; CURRENT APPLICATION NUMBER: US/09/388,788
; CURRENT FILING DATE: 1999-09-02
; NUMBER OF SEQ ID NOS: 12
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 2
; LENGTH: 7
; TYPE: PRT
; ORGANISM: Artificial Sequence
; FEATURE:
; OTHER INFORMATION: Description of Artificial Sequence: Fusion Protein
; OTHER INFORMATION: Construct
US-09-388-788-2

Query Match 63.2%; Score 24; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 5 GYW 7

RESULT 11

US-08-586-670A-17

; Sequence 17, Application US/08586670A

; Patent No. 6241965

; GENERAL INFORMATION:

; APPLICANT: McBride, William

; APPLICANT: Dean, Richard T.

; TITLE OF INVENTION: Somatostatin Derivatives

; TITLE OF INVENTION: And their Radiolabeled Products

; NUMBER OF SEQUENCES: 23

; CORRESPONDENCE ADDRESS:

; ADDRESSEE: Banner & Witcoff, Ltd.

; STREET: 10 South Wacker Drive, Suite 3000

; CITY: Chicago

; STATE: IL

; COUNTRY: USA

; ZIP: 60606

; COMPUTER READABLE FORM:

; MEDIUM TYPE: Floppy disk

; COMPUTER: IBM PC compatible

; OPERATING SYSTEM: PC-DOS/MS-DOS

; SOFTWARE: PatentIn Release #1.0, Version #1.25

; CURRENT APPLICATION DATA:

; APPLICATION NUMBER: US/08/586,670A

; FILING DATE: 22-APR-1996

; CLASSIFICATION: 424

; ATTORNEY/AGENT INFORMATION:

; NAME: No. 6241965nan, Kevin E

; REGISTRATION NUMBER: 35,303

; REFERENCE/DOCKET NUMBER: 92,385-DD

; TELECOMMUNICATION INFORMATION:

; TELEPHONE: 312-715-1000

; TELEFAX: 312-715-1234

; TELEX: 910-221-5317

; INFORMATION FOR SEQ ID NO: 17:

; SEQUENCE CHARACTERISTICS:

; LENGTH: 8 amino acids

; TYPE: amino acid

; TOPOLOGY: linear

; MOLECULE TYPE: peptide

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 1..2

; OTHER INFORMATION: /label= Variant residues

; OTHER INFORMATION: /note= "Phe is in the D conformation and is

; OTHER INFORMATION: linked to DTPA;

; FEATURE:

; NAME/KEY: Modified-site

; LOCATION: 1..4

```

; OTHER INFORMATION: /label= Variant residues
; OTHER INFORMATION: /note= "The Phe is in the D conformation; Xaa
; OTHER INFORMATION: is L-4-chlorophenylalanine; the Trp is in the
; OTHER INFORMATION: D conformation;
; FEATURE:
; NAME/KEY: Modified-site
; LOCATION: 7..8
; OTHER INFORMATION: /label= Variant residues
; OTHER INFORMATION: /note= "The carboxyl group of the C-terminal
; OTHER INFORMATION: Thr is reduced to an alcohol;
US-08-586-670A-17

Query Match      63.2%; Score 24; DB 3; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYW 3
      |||
Db      2 GYW 4

RESULT 12
US-09-125-641-1
; Sequence 1, Application US/09125641
; Patent No. 6610297
; GENERAL INFORMATION:
; APPLICANT: Kricek, Franz
; APPLICANT: Stadler, Beda
; TITLE OF INVENTION: Peptide Immunogens For Vaccination
; TITLE OF INVENTION: Against and Treatment of Allergy
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6610297artis Corporation
; STREET: 564 Morris Avenue
; CITY: Summit
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07901
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/125,641
; FILING DATE: 21-AUG-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP97/01013
; FILING DATE: 28-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9604412.8
; FILING DATE: 01-MAR-1996
; APPLICATION NUMBER: GB 9617702.7
; FILING DATE: 22-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 4-900-9862/A/NFI/PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 522-6923
; TELEFAX: (908) 522-6923
; INFORMATION FOR SEQ ID NO: 1:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal

```

```

US-09-125-641-1
Query Match      63.2%; Score 24; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYW 3
      |||
Db      5 GYW 7

RESULT 13
US-09-125-641-2
; Sequence 2, Application US/09125641
; Patent No. 6610297
; GENERAL INFORMATION:
; APPLICANT: Kricek, Franz
; APPLICANT: Stadler, Beda
; TITLE OF INVENTION: Peptide Immunogens For Vaccination
; TITLE OF INVENTION: Against and Treatment of Allergy
; NUMBER OF SEQUENCES: 40
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: No. 6610297artis Corporation
; STREET: 564 Morris Avenue
; CITY: Summit
; STATE: New Jersey
; COUNTRY: U.S.A.
; ZIP: 07901
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/125,641
; FILING DATE: 21-AUG-1998
; CLASSIFICATION: 424
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: WO PCT/EP97/01013
; FILING DATE: 28-FEB-1997
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: GB 9604412.8
; FILING DATE: 01-MAR-1996
; APPLICATION NUMBER: GB 9617702.7
; FILING DATE: 22-AUG-1996
; ATTORNEY/AGENT INFORMATION:
; NAME: Ferraro, Gregory D.
; REGISTRATION NUMBER: 36,134
; REFERENCE/DOCKET NUMBER: 4-900-9862/A/NFI/PCT
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (908) 522-6923
; TELEFAX: (908) 522-6923
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 8 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; HYPOTHETICAL: YES
; ANTI-SENSE: NO
; FRAGMENT TYPE: internal
US-09-125-641-2
Query Match      63.2%; Score 24; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY      1 GYW 3
      |||
Db      5 GYW 7

```

RESULT 14
US-08-433-522A-13
; Sequence 13, Application US/08433522A
; Patent No. 6013514
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: THOMAS, Wayne
; APPLICANT: YANG, Yan Ping
; APPLICANT: LOOSMORE, Sheena
; APPLICANT: SIA, Dwo Yuan Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: HAEMOPHILUS OUTER MEMBRANE PROTEIN
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6TH Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada
; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/08/433,522A
; FILING DATE: 12-SEP-1995
; CLASSIFICATION: 435
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-434 MIS:jb
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-08-433-522A-13

Query Match 63.2%; Score 24; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYW 3
Db 6 GYW 8

RESULT 15
US-09-135-166-13
; Sequence 13, Application US/09135166
; Patent No. 6083743
; GENERAL INFORMATION:
; APPLICANT: CHONG, Pele
; APPLICANT: THOMAS, Wayne
; APPLICANT: YANG, Yan Ping
; APPLICANT: LOOSMORE, Sheena
; APPLICANT: SIA, Dwo Yuan Charles
; APPLICANT: KLEIN, Michel
; TITLE OF INVENTION: HAEMOPHILUS OUTER MEMBRANE PROTEIN
; NUMBER OF SEQUENCES: 55
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Sim & McBurney
; STREET: 6TH Floor, 330 University Avenue
; CITY: Toronto
; STATE: Ontario
; COUNTRY: Canada

; ZIP: M5G 1R7
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: PatentIn Release #1.0, Version #1.25
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/135,166
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 08/433,522
; FILING DATE: 12-SEP-1995
; CLASSIFICATION:
; ATTORNEY/AGENT INFORMATION:
; NAME: STEWART, Michael I
; REGISTRATION NUMBER: 24,973
; REFERENCE/DOCKET NUMBER: 1038-829 MIS:jb
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (416) 595-1155
; TELEFAX: (416) 595-1163
; INFORMATION FOR SEQ ID NO: 13:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 9 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; US-09-135-166-13

Query Match 63.2%; Score 24; DB 3; Length 9;
Best Local Similarity 100.0%; Pred. No. 3e+05;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

Qy 1 GYW 3
Db 6 GYW 8

Search completed: May 7, 2004, 06:22:38
Job time : 12.76 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 7.68 Seconds
(without alignments)
54.240 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYXXXXXX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 141681 seqs, 52070155 residues

Total number of hits satisfying chosen parameters: 141681

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : SwissProt_42:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match %	Length	DB ID	Description
1	24	61.5	30	1	SILU_RHIPU
2	24	61.5	38	1	TXM1_MACGS
3	24	61.5	40	1	TXM2_MACGS
4	24	61.5	44	1	RK32_LYCES
5	24	61.5	47	1	HMC4_DESVH
6	24	61.5	50	1	RK32_LOTJA
7	24	61.5	51	1	RK32_ARATH
8	24	61.5	56	1	RK32_SPIOL
9	24	61.5	62	1	IOTA_GONVI
10	24	61.5	67	1	YHLB_STAAT
11	24	61.5	71	1	ESSD_ECOLI
12	24	61.5	71	1	VLVS_BPP21
13	24	61.5	72	1	Y738_SYNY3
14	24	61.5	74	1	YVDI_VACCC
15	24	61.5	76	1	UL43_HSVE4
16	24	61.5	77	1	DSRD_ARCFU
17	24	61.5	79	1	APC2_BOVIN
18	24	61.5	83	1	YODI_BACSU
19	24	61.5	85	1	YX58_MYCTU
20	24	61.5	89	1	Y008_TREPA
21	24	61.5	90	1	VPM_BPPRD
22	24	61.5	91	1	APC3_CAVPO
23	24	61.5	99	1	APC3_MOUSE
24	24	61.5	99	1	YT45_COREF
25	24	61.5	100	1	YF78_MYCPN
26	24	61.5	101	1	APC3_RAT
27	24	61.5	104	1	YJEO_ECOLI
28	24	61.5	107	1	RLAI_CHLRE
29	24	61.5	108	1	YML2_THIFE
30	24	61.5	110	1	GON2_SUNMU
31	24	61.5	110	1	Y103_ARATH
32	24	61.5	114	1	YGI3_BACTU
33	24	61.5	115	1	RL20_CHLTE

34	24	61.5	116	1	RL20_MYCPU
35	24	61.5	117	1	HV41_MOUSE
36	24	61.5	117	1	NU3M_SARGL
37	24	61.5	118	1	NU3M_METSE
38	24	61.5	119	1	RL20_THETN
39	24	61.5	121	1	LCA_MACRG
40	24	61.5	124	1	V124_ASF7
41	24	61.5	124	1	V124_ASFL5
42	24	61.5	124	1	V125_ASFL5
43	24	61.5	126	1	CU24_ARADI
44	24	61.5	127	1	CU26_ARADI
45	24	61.5	130	1	Y06O_BPT4

ALIGNMENTS

RESULT 1

SILU_RHIPU STANDARD; PRT; 30 AA.
AC P02885;
DT 21-JUL-1986 (Rel. 01, Created)
DT 21-JUL-1986 (Rel. 01, Last sequence update)
DT 01-AUG-1988 (Rel. 08, Last annotation update)
DE Sillucin.
OS Rhizomucor pusillus.
OC Eukaryota; Fungi; Zygomycota; Zygomycetes; Mucorales; Mucoraceae;
OC Rhizomucor.
OX NCBI_TaxID=4840;
RN [1]
RP SEQUENCE.
RX MEDLINE=79107453; PubMed=761621;
RA Bradley W.A., Somkuti G.A.;
RT "The primary structure of sillucin and antimicrobial peptide from
Mucor pusillus.";
RL FEBS Lett. 97:81-83(1979).
CC -!- FUNCTION: Sillucin is an antimicrobial agent produced by the
thermophilic fungus rhizomucor pusillus in liquid culture; it is
effective against Gram-positive bacteria at the level of RNA
metabolism.
CC -!- PTM: Four disulfide bonds are present.
DR PIR; A03380; SNUMP.
KW Antibiotic.
SQ SEQUENCE 30 AA; 3209 MW; F0F0F067FF2BEC3E CRC64;

Query Match 61.5%; Score 24; DB 1; Length 30;
Best Local Similarity 100.0%; Pred. No. 59;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 18 GYW 20

RESULT 2

TXM1_MACGS STANDARD; PRT; 38 AA.
ID TXM1_MACGS
AC P83557;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Neurotoxin Magi 1.
OS Macrothele gigas (Spider).
OC Eukaryota; Metazoa; Arthropoda; Chelicerata; Arachnida; Araneae;
OC Mygalomorphae; Hexathelidae; Macrothele.
OX NCBI_TaxID=223896;
RN [1]
RP SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, TISSUE SPECIFICITY, MASS
RP SPECTROMETRY, AND DISULFIDE BONDS.
RC TISSUE=Venom;
RX MEDLINE=22744743; PubMed=12860384;
RA Corzo G., Gilles N., Satake H., Villegas E., Dai L., Nakajima T.,
Haupt J.;

RT "Distinct primary structures of the major peptide toxins from the
RT venom of the spider Macrothele gigas that bind to sites 3 and 4 in the
RT sodium channel.";
RL FEBS Lett. 547:43-50(2003).
CC -!- FUNCTION: Insecticidal neurotoxin. Has no effect on lepidopteran
CC larvae when injected at 20 pmol/g, or on mice when injected
CC intracranially at 32.8 nmol/g.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed by the venom gland.
CC -!- PTM: Contains three disulfide bonds.
CC -!- MASS SPECTROMETRY: MW=4563.0; METHOD=MALDI.
KW Toxin; Neurotoxin; Sodium channel inhibitor; Ionic channel inhibitor.
SQ SEQUENCE 38 AA; 4602 MW; F77D05A218675600 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 38;
Best Local Similarity 100.0%; Pred. No. 74;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 25 GYW 27

RESULT 3
TXM2_MACGS STANDARD; PRT; 40 AA.
AC P83558;
DT 10-OCT-2003 (Rel. 42, Created)
DT 10-OCT-2003 (Rel. 42, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Neurotoxin Magi 2.
OS Macrothele gigas (Spider).
OC Eukaryota; Metazoa; Arthropoda; Chelicerata; Arachnida; Araneae;
OC Mygalomorphae; Hexathelidae; Macrothele.
OX NCBI_TaxID=223896;
RN [1]
RP SEQUENCE, FUNCTION, SUBCELLULAR LOCATION, TISSUE SPECIFICITY, MASS
RP SPECTROMETRY, AND DISULFIDE BONDS.
RC TISSUE=Venom;
RX MEDLINE=22744743; PubMed=12860384;
RA Corzo G., Gilles N., Satake H., Villegas E., Dai L., Nakajima T.,
RA Haupt J.;
RT "Distinct primary structures of the major peptide toxins from the
RT venom of the spider Macrothele gigas that bind to sites 3 and 4 in the
RT sodium channel.";
RL FEBS Lett. 547:43-50(2003).
CC -!- FUNCTION: Insecticidal neurotoxin. Induces flaccid paralysis when
CC injected into lepidopteran larvae. Is not toxic to mice when
CC injected intracranially at 20 pmol/g.
CC -!- SUBCELLULAR LOCATION: Secreted.
CC -!- TISSUE SPECIFICITY: Expressed by the venom gland.
CC -!- PTM: Contains three disulfide bonds.
CC -!- MASS SPECTROMETRY: MW=4940.3; METHOD=MALDI.
CC -!- MISCELLANEOUS: LD(50) is 17.6 nmol/kg to lepidopteran larvae.
KW Toxin; Neurotoxin; Sodium channel inhibitor; Ionic channel inhibitor.
SQ SEQUENCE 40 AA; 4948 MW; 1B04FE5A35E31A96 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 40;
Best Local Similarity 100.0%; Pred. No. 78;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 27 GYW 29

RESULT 4
RK32_LYCES STANDARD; PRT; 44 AA.
ID RK32_LYCES
AC P36493;
DT 01-JUN-1994 (Rel. 29, Created)
DT 01-JUN-1994 (Rel. 29, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)

DE Chloroplast 50S ribosomal protein L32 (Fragment).
GN RPL32.
OS Lycopersicon esculentum (Tomato).
OG Chloroplast.
OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; asterids;
OC lamids; Solanales; Solanaceae; Solanum.
OX NCBI_TaxID=4081;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=cv. VENT Cherry LA1221;
RX MEDLINE=94244622; PubMed=7514532;
RA Vera A., Sugiura M.;
RT "A novel RNA gene in the tobacco plastid genome: its possible role in
RT the maturation of 16S rRNA.";
RL EMBO J. 13:2211-2217(1994).
CC -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC
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CC
CC
CC EMBL; D17805; BAA04629.1; -.
DR PIR; T07762; T07762.
DR HAMAP; MF_00340; -; 1.
DR InterPro; IPR002677; Ribosomal_L32p.
DR Pfam; PF01783; Ribosomal_L32p; 1.
KW Ribosomal protein; Chloroplast.
FT NON TER 1
SQ SEQUENCE 44 AA; 5214 MW; 80314CF1400BACOA CRC64;

Query Match 61.5%; Score 24; DB 1; Length 44;
Best Local Similarity 100.0%; Pred. No. 86;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 13 GYW 15

RESULT 5
HMC4_DESVH STANDARD; PRT; 47 AA.
ID HMC4_DESVH
AC P33391;
DT 01-FEB-1994 (Rel. 28, Created)
DT 01-FEB-1994 (Rel. 28, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE 5.8 kDa protein in HMC operon (ORF 4).
OS Desulfovibrio vulgaris (strain Hildenborough).
OC Bacteria; Proteobacteria; Deltaproteobacteria; Desulfobivirionales;
OC Desulfovibrionaceae; Desulfovibrio.
OX NCBI_TaxID=882;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=NCIMB 8303;
RX MEDLINE=93328674; PubMed=8335628;
RA Rossi M., Pollock W.B.R., Reij M.W., Keon R.G., Fu R., Voordouw G.;
RT "The hmc operon of Desulfovibrio vulgaris subsp. vulgaris
RT Hildenborough encodes a potential transmembrane redox protein
RT complex.";
RL J. Bacteriol. 175:4699-4711(1993).
CC -!- FUNCTION: HMC (high-molecular-weight cytochrome c), ORF2, ORF3,
CC ORF4, ORF5 and ORF6 in the HMC operon form a transmembrane protein
CC complex that allows electron flow from the periplasmic hydrogenase
CC to the cytoplasmic enzymes that catalyze reduction of sulfates.
CC -!- SUBCELLULAR LOCATION: Integral membrane protein.
CC
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 CC -----

DR EMBL; L16784; AAA71997.1; -.
 DR PIR; D40605; D40605.
 KW Transmembrane.
 FT TRANSMEM 18 37 POTENTIAL.
 SQ SEQUENCE 47 AA; 5773 MW; 30D4C1585B3C7209 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 47;
 Best Local Similarity 100.0%; Pred. No. 91;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
 Db 32 GYW 34

RESULT 6
 RK32 LOTJA STANDARD; PRT; 50 AA.
 ID RK32 LOTJA
 AC Q9BBP5;
 DT 28-FEB-2003 (Rel. 41, Created)
 DT 28-FEB-2003 (Rel. 41, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Chloroplast 50S ribosomal protein L32.
 GN RPL32.
 OS Lotus japonicus.
 OG Chloroplast.
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
 OC eurosids I; Fabales; Fabaceae; Papilionoideae; Loteae; Lotus.
 OC NCBI_TaxID=34305;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=Accession MG-20;
 RX MEDLINE=21082929; PubMed=11214967;
 RA Kato T., Kaneko T., Sato S., Nakamura Y., Tabata S.;
 RT "Complete structure of the chloroplast genome of a legume, Lotus
 japonicus.";
 RL DNA Res. 7:323-330(2000).
 CC -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.

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 CC -----
 DR EMBL; AP002983; BAB33243.1; -.
 DR HAMAP; MF_00340; -. 1.
 DR InterPro; IPR002677; Ribosomal_L32p.
 DR Pfam; PF01783; Ribosomal_L32p; 1.
 KW Ribosomal protein; Chloroplast.
 SQ SEQUENCE 50 AA; 5844 MW; 5589DC533C99ECB6 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 50;
 Best Local Similarity 100.0%; Pred. No. 97;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
 Db 24 GYW 26

RESULT 7
 RK32 ARATH STANDARD; PRT; 51 AA.
 ID RK32 ARATH

P42354;
 DT 01-NOV-1995 (Rel. 32, Created)
 DT 01-NOV-1995 (Rel. 32, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Chloroplast 50S ribosomal protein L32.
 GN RPL32 OR ATCG01020.
 OS Arabidopsis thaliana (Mouse-ear cress), and
 OS Brassica rapa (Turnip).
 OG Chloroplast.
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
 OC eurosids II; Brassicales; Brassicaceae; Arabidopsis.
 OC NCBI_TaxID=3702, 51350;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC SPECIES=A.thaliana; STRAIN=cv. Columbia;
 RX MEDLINE=20039611; PubMed=10574454;
 RA Sato S., Nakamura Y., Kaneko T., Asamizu E., Tabata S.;
 RT "Complete structure of the chloroplast genome of Arabidopsis
 thaliana.";
 RL DNA Res. 6:283-290(1999).
 RN [2]
 RP SEQUENCE FROM N.A.
 RC SPECIES=B.rapa;
 RA Song S., Shin C., Choi Y.;
 RL Submitted (SEP-1993) to the EMBL/GenBank/DBJ databases.
 CC -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.

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 CC -----
 DR EMBL; AP000423; BAA84435.1; -.
 DR EMBL; Z26332; CAA81233.1; -.
 DR PIR; S37208; S37208.
 DR HAMAP; MF_00340; -. 1.
 DR InterPro; IPR002677; Ribosomal_L32p.
 DR Pfam; PF01783; Ribosomal_L32p; 1.
 KW Ribosomal protein; Chloroplast.
 FT INIT_MET 0 0 BY SIMILARITY.
 SQ SEQUENCE 51 AA; 5930 MW; 0AC447B5EDED00F3 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 51;
 Best Local Similarity 100.0%; Pred. No. 99;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
 Db 23 GYW 25

RESULT 8
 RK32 SPIOL STANDARD; PRT; 56 AA.
 ID RK32 SPIOL
 AC P28804; Q9M3J3;
 DT 01-DEC-1992 (Rel. 24, Created)
 DT 16-OCT-2001 (Rel. 40, Last sequence update)
 DT 28-FEB-2003 (Rel. 41, Last annotation update)
 DE Chloroplast 50S ribosomal protein L32.
 GN RPL32.
 OS Spinacia oleracea (Spinach).
 OG Chloroplast.
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots;
 OC Caryophyllales; Amaranthaceae; Spinacia.
 OC NCBI_TaxID=3562;
 RN [1]
 RP SEQUENCE FROM N.A.
 RC STRAIN=cv. Geant d'hiver, and cv. Monatol;

RX MEDLINE=21187424; PubMed=11292076;
RA Schmitz-Linneweber C., Maier R.M., Alcaraz J.-P., Cottet A.,
RA Herrmann R.G., Mache R.;
RT "The plastid chromosome of spinach (*Spinacia oleracea*): complete
RT nucleotide chrenence and gene organization.";
RL Plant Mol. Biol. 45:307-315(2001).
RN [2]
RP SEQUENCE OF 1-29.
RC STRAIN=cv. Alvaro;
RX MEDLINE=93043036; PubMed=14211149;
RA Schmidt J., Herfurth E., Subramanian A.R.;
RT "Purification and characterization of seven chloroplast ribosomal
RT proteins: evidence that organelle ribosomal protein genes are
RT functional and that NH2-terminal processing occurs via multiple
RT pathways in chloroplasts.";
RL Plant Mol. Biol. 20:459-465(1992).
CC -!- SIMILARITY: Belongs to the L32P family of ribosomal proteins.
CC -----
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CC -----
CC EMBL: AJ400848; CAB88781.1; -.
DR HAMAP; MF 00340; -; 1.
DR InterPro; IPR002677; Ribosomal_L32p.
DR Pfam; PF01783; Ribosomal_L32p; 1.
KW Ribosomal protein; Chloroplast.
FT INIT MET 0 0
FT CONFLICT 25 25 W -> S (IN REF. 2).
SQ SEQUENCE 56 AA; 6504 MW; ACBA68500D9B49DS CRC64;

Query Match 61.5%; Score 24; DB 1; Length 56;
Best Local Similarity 100.0%; Pred.No. 1.1e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db |||
23 GYW 25

RESULT 9
IOTA GONVI STANDARD; PRT; 62 AA.
AC P82025;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 10-OCT-2003 (Rel. 42, Last annotation update)
DE Iota-crystallin (Fragment).
GN CRBPI.
OS Gonatodes vittatus (Streak lizard).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Lepidosauria; Squamata; Scleroglossa; Gekkota; Gekkonidae; Gonatodes.
OX NCBI_TaxID=104610;
RN [1]
RP SEQUENCE, AND FUNCTION.
RC TISSUE=Lens;
RX MEDLINE=20202626; PubMed=10725366;
RA Werten P.J.L., Roell B., van Aalten D.M.F., de Jong W.W.;
RT "Gecko iota-crystallin: how cellular retinol-binding protein became an
RT eye lens ultraviolet filter.";
RL Proc. Natl. Acad. Sci. U.S.A. 97:3282-3287(2000).
CC -!- FUNCTION: BINDS VITAMIN A2 IN THE EYE LENS AND THUS FUNCTIONS AS A
CC UV FILTER. INTRACELLULAR TRANSPORT OF RETINOL.
CC -!- SIMILARITY: Belongs to the fatty-acid binding protein (FABP)
CC family.
CC HSSP; P82980; 1GGL.
DR InterPro; IPR000463; Fatty acid BP.
DR InterPro; IPR000566; LipocIn_cytFABP.
DR Pfam; PF000061; lipocalin; 1.

DR PROSITE; PS00214; FAFP; FALSE NEG.
KW Vitamin A; Retinol-binding; Transport.
FT NON TER 62
SQ SEQUENCE 62 AA; 7359 MW; 2034EF11BA2D0088 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 62;
Best Local Similarity 100.0%; Pred.No. 1.2e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db |||
6 GYW 8

RESULT 10
YHLB STAAU STANDARD; PRT; 67 AA.
AC P21224;
DT 01-MAY-1991 (Rel. 18, Created)
DT 01-MAY-1991 (Rel. 18, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Hypothetical protein in hlb 3' region (Fragment).
OS Staphylococcus aureus.
OC Bacteria; Firmicutes; Bacillales; Staphylococcus.
OX NCBI_TaxID=1280;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=COL;
RX MEDLINE=89263748; PubMed=2726469;
RA Projan S.J., Kornblum J., Kreiswirth B., Moghazeh S.L., Eisner W.,
RA Novick R.P.;
RT "Nucleotide sequence: the beta-hemolysin gene of Staphylococcus
RT aureus.";
RL Nucleic Acids Res. 17:3305-3305(1989).
CC -----
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CC -----
CC EMBL: X13404; CAA31770.1; -.
DR PIR; S15767; S15767.
DR InterPro; IPR005830; Aer hem leuk.
DR InterPro; IPR001340; HemLysn_pore.
DR Pfam; PF01117; Aerolysin; 1.
KW Hypothetical protein.
FT NON TER 1
SQ SEQUENCE 57 AA; 8207 MW; 77B8013E40A76839 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 67;
Best Local Similarity 100.0%; Pred.No. 1.3e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db |||
27 GYW 29

RESULT 11
ESSD_ECOLI STANDARD; PRT; 71 AA.
AC P77242;
DT 01-NOV-1997 (Rel. 35, Created)
DT 01-NOV-1997 (Rel. 35, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Lysis protein S homolog from lambdaoid prophage DLP12.
GN ESSD OR B0554 OR C1561.
OS Escherichia coli, and
OS Escherichia coli O6.
OC Bacteria; Proteobacteria; Gammaproteobacteria; Enterobacteriales;


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OC Enterobacteriaceae; Escherichia.
OX NCBI_TaxID=562, 217992;
RN [1]
RP SEQUENCE FROM N.A.
RC STRAIN=K12 / MG1655;
RX MEDLINE=97426617; PubMed=9278503;
RA Blattner F.R., Plunkett G. III, Bloch C.A., Perna N.T., Burland V.,
RA Riley M., Collado-Vides J., Glasner J.D., Rode C.K., Mayhew G.F.,
RA Gregor J., Davis N.W., Kirkpatrick H.A., Goeden M.A., Rose D.J.,
RA Mau B., Shao Y.;
RT "The complete genome sequence of Escherichia coli K-12.";
RL Science 277:1453-1474(1997).
RN [2]
RP SEQUENCE FROM N.A.
RA Chung E., Allen E., Araujo R., Aparicio A., Davis K., Duncan M.,
RA Federspiel N., Hyman R., Kalman S., Komp C., Kurdi O., Lew H., Lin D.,
RA Namath A., Oefner P., Roberts D., Schramm S., Davis R.W.;
RL Submitted (JAN-1997) to the EMBL/GenBank/DBJ databases.
RN [3]
RP SEQUENCE FROM N.A.
RC STRAIN=O6:H1 / CFT073 / ATCC 700928;
RX MEDLINE=22388234; PubMed=12471157;
RA Welch R.A., Burland V., Plunkett G. III, Redford P., Roesch P.,
RA Rasko D., Buckles E.L., Liou S.-R., Boutin A., Hackett J., Stroud D.,
RA Mayhew G.F., Rose D.J., Zhou S., Schwartz D.C., Perna N.T.,
RA Mobley H.L.T., Donnenberg M.S., Blattner F.R.;
RT "Extensive mosaic structure revealed by the complete genome sequence
of uropathogenic Escherichia coli.";
RL Proc. Natl. Acad. Sci. U.S.A. 99:17020-17024(2002).
CC -!- SIMILARITY: BELONGS TO THE LAMBDA PHAGE S PROTEIN FAMILY.
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-----
DR EMBL; AE000161; AAC73655.1; -.
DR EMBL; U82598; AAB40750.1; -.
DR EMBL; AB016759; AAN80030.1; -.
DR PIR; H64787; H64787.
DR EcoGene; EG13634; eesD.
DR InterPro; IPR007054; Lysis_S.
DR Pfam; PF04971; Lysis_S; 1.
DR KW Hypothetical protein; Phage lysis protein; Complete proteome.
SQ SEQUENCE 71 AA; 7778 MW; 9C013E2FE4361843 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 21 GYW 23

RESULT 12
VLVS_BPP21 STANDARD; PRT; 71 AA.
AC P27350;
DT 01-AUG-1992 (Rel. 23, Created)
DT 01-AUG-1992 (Rel. 23, Last sequence update)
DT 01-JUN-1994 (Rel. 29, Last annotation update)
DE Lysis protein S.
GN S.
OS Bacteriophage P21 (Bacteriophage 21).
OC Viruses; dsDNA viruses, no RNA stage; Caudovirales; Siphoviridae;
OC Lambda-like viruses.
OX NCBI_TaxID=10711;
RN [1]
RP SEQUENCE FROM N.A.

Query Match 61.5%; Score 24; DB 1; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 21 GYW 23

RESULT 13
Y738_SYNY3 STANDARD; PRT; 72 AA.
AC P74794;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Hypothetical protein ssl0738.
GN SSL0738.
OS Synechocystis sp. (strain PCC 6803).
OC Bacteria; Cyanobacteria; Chroococcales; Synechocystis.
OX NCBI_TaxID=1148;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=96127529; PubMed=8590279;
RA Kaneko T., Tanaka A., Sato S., Kotani H., Sazuka T., Miyajima N.,
RA Sugiyama M., Tabata S.;
RT "Sequence analysis of the genome of the unicellular cyanobacterium
Synechocystis sp. strain PCC6803. I. Sequence features in the 1 Mb
region from map positions 64% to 92% of the genome.";
RL DNA Res. 2:153-166(1995).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=97061201; PubMed=8905231;
RA Kaneko T., Sato S., Kotani H., Tanaka A., Asamizu E., Nakamura Y.,
RA Miyajima N., Hirose M., Sugiyama M., Sugiyama M., Sasamoto S., Kimura T.,
RA Hosouchi T., Matsuno A., Muraki A., Nakazaki N., Naruo K., Okumura S.,
RA Shimo S., Takeuchi C., Wada T., Watanabe A., Yamada M., Yasuda M.,
RA Tabata S.;
RT "Sequence analysis of the genome of the unicellular cyanobacterium
Synechocystis sp. strain PCC6803. II. Sequence determination of the
entire genome and assignment of potential protein-coding regions.";
RL DNA Res. 3:109-136(1996).
CC -!- SIMILARITY: BELONGS TO THE UPF0150 FAMILY.
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DR EMBL; D64002; BAA10401.1; -.
DR PIR; S76555; S76555.
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RX MEDLINE=91210180; PubMed=2019562;
RA Bonovich M.T., Young R.;
RT "Dual start motif in two lambdaoid S genes unrelated to lambda S.";
RL J. Bacteriol. 173:2897-2905(1991).
CC -----
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CC -----
DR EMBL; M65239; AAA32349.1; -.
DR InterPro; IPR007054; Lysis_S.
DR Pfam; PF04971; Lysis_S; 1.
KW Phage lysis protein.
SQ SEQUENCE 71 AA; 7893 MW; 8690A8F25234A3E2 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 71;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 21 GYW 23

RESULT 13
Y738_SYNY3 STANDARD; PRT; 72 AA.
AC P74794;
DT 16-OCT-2001 (Rel. 40, Created)
DT 16-OCT-2001 (Rel. 40, Last sequence update)
DT 28-FEB-2003 (Rel. 41, Last annotation update)
DE Hypothetical protein ssl0738.
GN SSL0738.
OS Synechocystis sp. (strain PCC 6803).
OC Bacteria; Cyanobacteria; Chroococcales; Synechocystis.
OX NCBI_TaxID=1148;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=96127529; PubMed=8590279;
RA Kaneko T., Tanaka A., Sato S., Kotani H., Sazuka T., Miyajima N.,
RA Sugiyama M., Tabata S.;
RT "Sequence analysis of the genome of the unicellular cyanobacterium
Synechocystis sp. strain PCC6803. I. Sequence features in the 1 Mb
region from map positions 64% to 92% of the genome.";
RL DNA Res. 2:153-166(1995).
RN [2]
RP SEQUENCE FROM N.A.
RX MEDLINE=97061201; PubMed=8905231;
RA Kaneko T., Sato S., Kotani H., Tanaka A., Asamizu E., Nakamura Y.,
RA Miyajima N., Hirose M., Sugiyama M., Sugiyama M., Sasamoto S., Kimura T.,
RA Hosouchi T., Matsuno A., Muraki A., Nakazaki N., Naruo K., Okumura S.,
RA Shimo S., Takeuchi C., Wada T., Watanabe A., Yamada M., Yasuda M.,
RA Tabata S.;
RT "Sequence analysis of the genome of the unicellular cyanobacterium
Synechocystis sp. strain PCC6803. II. Sequence determination of the
entire genome and assignment of potential protein-coding regions.";
RL DNA Res. 3:109-136(1996).
CC -!- SIMILARITY: BELONGS TO THE UPF0150 FAMILY.
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DR EMBL; D64002; BAA10401.1; -.
DR PIR; S76555; S76555.
```

DR InterPro; IPR005357; UPF0150.
DR Pfam; PF03681; UPF0150; 1.
KW Hypothetical protein; Complete proteome.
SQ SEQUENCE 72 AA; 7719 MW; 388310F96C0BB629 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 72;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 16 GYW 18

RESULT 14

YVDI VACCC
ID YVDI VACCC STANDARD; PRT; 74 AA.
AC P20553;
DT 01-FEB-1991 (Rel. 17, Created)
DT 01-FEB-1991 (Rel. 17, Last sequence update)
DT 16-OCT-2001 (Rel. 40, Last annotation update)
DE Hypothetical 9.5 kDa protein.
GN D ORF 1.
OS Vaccinia virus (strain Copenhagen).
OC Viruses; dsDNA viruses, no RNA stage; Poxviridae; Chordopoxvirinae;
OC Orthopoxvirus.
OX NCBI_TaxID=10249;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=91021027; PubMed=2219722;
RA Goebel S.J.; Johnson G.P.; Perkus M.E.; Davis S.W.; Winslow J.P.;
RA Paoletti E.;
RT "The complete DNA sequence of vaccinia virus."
RL Virology 179:247-266(1990).
RN [2]
RP COMPLETE GENOME.
RA Goebel S.J.; Johnson G.P.; Perkus M.E.; Davis S.W.; Winslow J.P.;
RA Paoletti E.;
RT "Appendix to 'The complete DNA sequence of vaccinia virus'."
RL Virology 179:517-563(1990).

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CC
CC EMBL; M35027; AAA48115.1; --
CC PIR; B42517; B42517.
KW Hypothetical protein.
SQ SEQUENCE 74 AA; 9485 MW; 0BA1DC187A16BE10 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 74;
Best Local Similarity 100.0%; Pred. No. 1.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 63 GYW 65

RESULT 15

UL43_HSVE4
ID UL43_HSVE4 STANDARD; PRT; 76 AA.
AC P22597;
DT 01-AUG-1991 (Rel. 19, Created)
DT 01-AUG-1991 (Rel. 19, Last sequence update)
DT 01-APR-1993 (Rel. 25, Last annotation update)
DE Membrane protein UL43 homolog (ORF1) (Fragment).
OS Equine herpesvirus type 4 (strain 1942) (EHV-4) (Equine herpesvirus
type 1 subtype 2).

OC Viruses; dsDNA viruses, no RNA stage; Herpesviridae;
OC Alphaherpesvirinae; Varicellovirus.
OX NCBI_TaxID=10333;
RN [1]
RP SEQUENCE FROM N.A.
RX MEDLINE=91021040; PubMed=2171212;
RA Nicolson L.; Onions D.E.;
RT "The nucleotide sequence of the equine herpesvirus 4 gC gene
homologue."
RL Virology 179:378-387(1990).
CC -!- SUBCELLULAR LOCATION: Membrane-associated or transmembrane protein
CC (Potential).
CC -!- SIMILARITY: BELONGS TO FAMILY THAT GROUPS TOGETHER HSV-1 UL43,
CC EHV-1 17, AND VZV 15.

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CC
CC EMBL; M58031; AAA46082.1; --
CC PIR; A45343; A45343.
DR InterPro; IPR007764; Herpes_UL43.
DR Pfam; PF05072; Herpes_UL43; 1.
KW Membrane.
FT NON TER 1 1
SQ SEQUENCE 76 AA; 7942 MW; 5C90E87678F8E049 CRC64;

Query Match 61.5%; Score 24; DB 1; Length 76;
Best Local Similarity 100.0%; Pred. No. 1.5e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
|||
Db 16 GYW 18

Search completed: May 7, 2004, 06:28:34
Job time : 8.68 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 32.32 Seconds
(without alignments)
78.099 Million cell updates/sec

Title: US-10-046-922-68
Perfect score: 39
Sequence: 1 GYWXWXX 8

Scoring table: BLOSUM62XX
Gapop 10.0 , Gapext 0.5

Searched: 1017041 seqs, 315518202 residues
Total number of hits satisfying chosen parameters: 1017041

Minimum DB seq length: 0
Maximum DB seq length: 2000000000
Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

- Database : SPTREMBL 25:*
- 1: sp_archaea:*
 - 2: sp_bacteria:*
 - 3: sp_fungi:*
 - 4: sp_human:*
 - 5: sp_invertebrate:*
 - 6: sp_mammal:*
 - 7: sp_mhc:*
 - 8: sp_organelle:*
 - 9: sp_phage:*
 - 10: sp_plant:*
 - 11: sp_rodent:*
 - 12: sp_virus:*
 - 13: sp_vertebrate:*
 - 14: sp_unclassified:*
 - 15: sp_rvirus:*
 - 16: sp_bacteriap:*
 - 17: sp_archaeap:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	DB ID	Description
1	26	66.7	30	11 Q9QV06	Q9qv06 rattus sp.
2	25	64.1	170	4 Q95107	Q95107 homo sapien
3	25	64.1	707	10 Q9SC08	Q9sc08 tropaeolum
4	24	61.5	13	4 Q16406	Q16406 homo sapien
5	24	61.5	15	11 Q9QUT7	Q9qut7 mus sp. glu
6	24	61.5	15	11 Q8K1P5	Q8klp5 sciurus vul
7	24	61.5	15	11 Q9QW89	Q9qw89 rattus sp.
8	24	61.5	17	6 Q8MI99	Q8mi99 talpa europ
9	24	61.5	20	6 Q9TRH8	Q9trh8 oryctolagus
10	24	61.5	20	6 Q9TQ08	Q9tq08 oryctolagus
11	24	61.5	20	11 Q9QUY9	Q9quy9 rattus sp.
12	24	61.5	20	11 Q9QUL9	Q9qul9 rattus sp.
13	24	61.5	20	11 Q9QUL8	Q9qul8 rattus sp.
14	24	61.5	24	11 Q9QV91	Q9qv91 mus sp. glu
15	24	61.5	24	11 Q9QV19	Q9qv19 rattus sp.
16	24	61.5	28	6 Q9TRV2	Q9trv2 canis famil

17	24	61.5	28	9 Q9T174	Q9t174 bacterioph
18	24	61.5	30	16 Q7UDB7	Q7udb7 shigella fl
19	24	61.5	32	11 Q9QVL6	Q9qv16 mus sp. glu
20	24	61.5	32	11 Q9QVL9	Q9qv19 mus sp. glu
21	24	61.5	33	16 Q9KFG9	Q9kfg9 bacillus ha
22	24	61.5	35	8 Q9T2V3	Q9t2v3 crithidia f
23	24	61.5	35	11 Q9QVL5	Q9qv15 mus sp. glu
24	24	61.5	35	16 Q8EC40	Q8ec40 shewanella
25	24	61.5	38	16 Q7UK13	Q7uk13 rhodopirell
26	24	61.5	39	17 Q8U251	Q8u251 pyrococcus
27	24	61.5	41	9 Q7Y4W1	Q7y4w1 bacterioph
28	24	61.5	41	10 Q7XSW9	Q7xsw9 oryza sativ
29	24	61.5	41	11 Q9QVL7	Q9qv17 mus sp. glu
30	24	61.5	43	2 Q9X3E6	Q9x3e6 prochloroco
31	24	61.5	43	15 Q90UK5	Q90uk5 porcine end
32	24	61.5	43	15 Q90UK9	Q90uk9 porcine end
33	24	61.5	43	15 Q90UK7	Q90uk7 porcine end
34	24	61.5	43	15 Q90UK4	Q90uk4 porcine end
35	24	61.5	43	15 Q90UK8	Q90uk8 porcine end
36	24	61.5	43	17 Q8PTJ1	Q8ptj1 methanosarc
37	24	61.5	45	2 Q9FCW7	Q9fcw7 escherichia
38	24	61.5	45	16 Q8KB49	Q8kb49 chlorobium
39	24	61.5	46	16 Q8VJ81	Q8vj81 mycobacteri
40	24	61.5	46	16 Q7VJMS	Q7vjms helicobacte
41	24	61.5	48	2 Q9ETK1	Q9etk1 escherichia
42	24	61.5	48	2 Q9EVP8	Q9evp8 escherichia
43	24	61.5	48	16 Q8EP15	Q8ep15 oceanobacil
44	24	61.5	49	2 Q9EVP1	Q9evp1 escherichia
45	24	61.5	49	4 Q9H1U2	Q9h1u2 homo sapien

ALIGNMENTS

RESULT 1
Q9QV06
ID Q9QV06 PRELIMINARY; PRT; 30 AA.
AC Q9QV06
DT 01-MAY-2000 (Tremblrel. 13, Created)
DT 01-MAY-2000 (Tremblrel. 13, Last sequence update)
DT 01-JUN-2002 (Tremblrel. 21, Last annotation update)
DE Glutathione S-transferase (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.

RX MEDLINE=95318156; PubMed=7797568;
RA Aravinda S., Gopalakrishnan B., Dey C.S., Totey S.M., Pawshe C.H.,
RA Salunke D., Kaur K., Shaha C.;
RT "A testicular protein important for fertility has glutathione S-
transferase activity and is localized extracellularly in the
seminiferous tubules."
RL J. Biol. Chem. 270:15675-15685(1995).
DR HSSP; P09488; 1GTU.
DR InterPro; IPR004045; GST_Nterm.
DR Pfam; PF02798; GST_N; 1.
SQ SEQUENCE 30 AA; 3543 MW; 37E3E9EED32BC7C2 CRC64;

Query Match 66.7%; Score 26; DB 11; Length 30;
Best Local Similarity 100.0%; Pred. No. 2.1e+02;
Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWX 5
Db 5 GYWX 9

RESULT 2
Q95107 PRELIMINARY; PRT; 170 AA.
ID Q95107
AC Q95107;

DT 01-MAY-1999 (TrEMBLrel. 10, Created)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last sequence update)
 DT 01-JUN-2003 (TrEMBLrel. 24, Last annotation update)
 DE GOR antigen (Fragment).
 GN GOR.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA DeBella L.R., Schertzer M., Wood S.;
 RT "Identification of a novel human gene (GOR) localized to 8q13-8q22.";
 RL Submitted (SEP-1997) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AF023669; AAC98149.1; -.
 DR GO; GO:0005622; C:intracellular; IEA.
 DR GO; GO:0004527; F:exonuclease activity; IEA.
 DR InterPro; IPR006055; Exonuclease.
 DR Pfam; PF00929; Exonuclease; 1.
 FT NON_TER 1
 FT NON_TER 170
 SQ SEQUENCE 170 AA; 19433 MW; 079DE87451B22A1B CRC64;
 Query Match 64.1%; Score 25; DB 4; Length 170;
 Best Local Similarity 100.0%; Pred. No. 1.8e+03;
 Matches 5; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 3 WXXXW 7
 Db 25 WXXXW 29
 RESULT 3
 Q9SC08 PRELIMINARY; PRT; 707 AA.
 AC Q9SC08;
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
 DT 01-OCT-2003 (TrEMBLrel. 25, Last annotation update)
 DE NADH dehydrogenase subunit F (Fragment).
 GN NDHF.
 OS Trophaeolum majus (Common nautilus).
 OC Eukaryota; Viridiplantae; Streptophyta; Embryophyta; Tracheophyta;
 OC Spermatophyta; Magnoliophyta; eudicotyledons; core eudicots; rosids;
 OC eurosids II; Brassicales; Tropaeolaceae; Trophaeolum.
 OX NCBI_TaxID=4020;
 RN [1]
 RP SEQUENCE FROM N.A.
 RA Albach D.C., Soltis P.S., Soltis D.E., Olmstead G.;
 RT "Phylogeny of the Asteridae s.l. based on sequences from four
 different genes";
 RL Submitted (DEC-1998) to the EMBL/GenBank/DBJ databases.
 DR EMBL; AJ236281; CAB65471.1; -.
 DR GO; GO:0009507; C:chloroplast; IEA.
 DR GO; GO:0008137; F:NADH dehydrogenase (ubiquinone) activity; IEA.
 DR GO; GO:0016491; F:oxidoreductase activity; IEA.
 DR GO; GO:0006120; P:mitochondrial electron transport, NADH to u. . .; IEA.
 DR InterPro; IPR003916; NADH_oxred5.
 DR InterPro; IPR001750; Oxidored_q1.
 DR InterPro; IPR002128; Oxidored_q1_C.
 DR InterPro; IPR001516; Oxidored_q1_N.
 DR Pfam; PF00361; oxidored_q1; 1.
 DR Pfam; PF01010; oxidored_q1_C; 1.
 DR Pfam; PF00662; oxidored_q1_N; 1.
 DR PRINTS; PR01434; NADHDHGNASES.
 KW NAD; Oxidoreductase.
 FT NON_TER 1
 FT NON_TER 707
 SQ SEQUENCE 707 AA; 79325 MW; 7373A5FDCBA177D CRC64;
 Query Match 64.1%; Score 25; DB 10; Length 707;
 Best Local Similarity 100.0%; Pred. No. 7.4e+03;
 Matches 4; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWX 4
 Db 120 GYWX 123
 RESULT 4
 Q16406 PRELIMINARY; PRT; 13 AA.
 ID Q16406;
 AC Q16406;
 DT 01-NOV-1996 (TrEMBLrel. 01, Created)
 DT 01-NOV-1996 (TrEMBLrel. 01, Last sequence update)
 DT 01-MAY-1999 (TrEMBLrel. 10, Last annotation update)
 DE GHRH-R protein (Fragment).
 GN GHRH-R.
 OS Homo sapiens (Human).
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 OX NCBI_TaxID=9606;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=96001284; PubMed=7559877;
 RA Hashimoto K., Koga M., Motomura T., Kasayama S., Kouhara H.,
 RA Ohnishi T., Arita N., Hayakawa T., Sato B., Kishimoto T.;
 RT "Identification of alternatively spliced messenger ribonucleic acid
 encoding truncated growth hormone-releasing hormone receptor in human
 pituitary adenomas";
 RL J. Clin. Endocrinol. Metab. 80:2933-2939 (1995).
 DR EMBL; S79912; AAD14318.1; -.
 FT NON_TER 1
 FT NON_TER 1
 SQ SEQUENCE 13 AA; 1612 MW; CE19D7D255D6362 CRC64;
 Query Match 61.5%; Score 24; DB 4; Length 13;
 Best Local Similarity 100.0%; Pred. No. 2.3e+02;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GYW 3
 Db 8 GYW 10
 RESULT 5
 Q9QUT7 PRELIMINARY; PRT; 15 AA.
 ID Q9QUT7;
 AC Q9QUT7;
 DT 01-MAY-2000 (TrEMBLrel. 13, Created)
 DT 01-MAY-2000 (TrEMBLrel. 13, Last sequence update)
 DT 01-OCT-2000 (TrEMBLrel. 15, Last annotation update)
 DE Glutathione S-transferase (Fragment).
 OS Mus sp.
 OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
 OX NCBI_TaxID=10095;
 RN [1]
 RP SEQUENCE FROM N.A.
 RX MEDLINE=92329477; PubMed=1627586;
 RA Singhal S.S., Saxena M., Ahmad H., Awasthi Y.C.;
 RT "Glutathione S-transferase of mouse liver: sex-related differences in
 the expression of various isozymes";
 RL Biochim. Biophys. Acta 1117:105-105 (1992).
 DR HSP; P04905; 2GST.
 SQ SEQUENCE 15 AA; 1754 MW; 02E4DB620E166ED4 CRC64;
 Query Match 61.5%; Score 24; DB 11; Length 15;
 Best Local Similarity 100.0%; Pred. No. 2.6e+02;
 Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
 QY 1 GYW 3
 Db 5 GYW 7
 RESULT 6

Q8K1P5
ID Q8K1P5 PRELIMINARY; PRT; 15 AA.
AC Q8K1P5;
DT 01-OCT-2002 (TReMBLrel. 22, Created)
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)
DE Prion protein (Fragment).
GN PRMP.
OS Sciurus vulgaris (Red squirrel).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Scuridae; Scurinae;
OC Sciurus.
OX NCBI_TaxID=55149;
RN [1]
RP SEQUENCE FROM N.A.
RA Poux C., van Rheede T., Madsen O., de Jong W.W.;
RT "Sequence gaps join mice and men."
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ438202; CAD27287.1; -.
FT NON TER 15
SQ SEQUENCE 15 AA; 1723 MW; 5E38E8178B86161E CRC64;

Query Match 61.5%; Score 24; DB 11; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 7
Q9QW89
ID Q9QW89 PRELIMINARY; PRT; 15 AA.
AC Q9QW89;
DT 01-MAY-2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE Glutathione S-transferase subunit D (EC 2.5.1.18) (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=101118;
RN [1]
RP SEQUENCE.
RX MEDLINE=96036981; PubMed=7485987;
RA Rouimi P., Debrauwer L., Tulliez J.;
RT "Electrospray ionization-mass spectrometry as a tool for
characterization of glutathione S-transferase isozymes.";
RL Anal. Biochem. 229:304-312(1995).
DR GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ SEQUENCE 15 AA; 1701 MW; 9A54C712143F7C4A CRC64;

Query Match 61.5%; Score 24; DB 11; Length 15;
Best Local Similarity 100.0%; Pred. No. 2.6e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 8
Q8MI99
ID Q8MI99 PRELIMINARY; PRT; 17 AA.
AC Q8MI99;
DT 01-OCT-2002 (TReMBLrel. 22, Created)
DT 01-OCT-2002 (TReMBLrel. 22, Last sequence update)
DT 01-OCT-2002 (TReMBLrel. 22, Last annotation update)
DE Prion protein (Fragment).
GN PRMP.
OS Talpa europaea (European mole).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;

OC Mammalia; Euthera; Insectivora; Talpidae; Talpa.
OX NCBI_TaxID=9375;
RN [1]
RP SEQUENCE FROM N.A.
RA Poux C., van Rheede T., Madsen O., de Jong W.W.;
RT "Sequence gaps join mice and men."
RL Submitted (MAR-2002) to the EMBL/GenBank/DBJ databases.
DR EMBL; AJ438198; CAD27283.1; -.
FT NON TER 17
SQ SEQUENCE 17 AA; 1995 MW; 05B9D808B11C40C3 CRC64;

Query Match 61.5%; Score 24; DB 6; Length 17;
Best Local Similarity 100.0%; Pred. No. 2.9e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 7 GYW 9

RESULT 9
Q9TRH8
ID Q9TRH8 PRELIMINARY; PRT; 20 AA.
AC Q9TRH8;
DT 01-MAY-2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-OCT-2000 (TReMBLrel. 15, Last annotation update)
DE Glutathione S-transferase class MU PI7.8 isozyme (Fragment).
OS Oryctolagus cuniculus (Rabbit).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Lagomorpha; Leporidae; Oryctolagus.
OX NCBI_TaxID=9986;
RN [1]
RP SEQUENCE.
RX MEDLINE=93213177; PubMed=8460949;
RA Primiano T., Novak R.F.;
RT "Purification and characterization of class mu glutathione S-
transferase isozymes from rabbit hepatic tissue.";
RL Arch. Biochem. Biophys. 301:404-410(1993).
DR HSSP; P04905; 6GSU.
SQ SEQUENCE 20 AA; 2316 MW; 7F5AC2468150E207 CRC64;

Query Match 61.5%; Score 24; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 10
Q9TQQ8
ID Q9TQQ8 PRELIMINARY; PRT; 20 AA.
AC Q9TQQ8;
DT 01-MAY-2000 (TReMBLrel. 13, Created)
DT 01-MAY-2000 (TReMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TReMBLrel. 24, Last annotation update)
DE Class MU glutathione S-transferase isozyme R11, class MU GST-RL1
(Fragment).
OS Oryctolagus cuniculus (Rabbit).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Lagomorpha; Leporidae; Oryctolagus.
OX NCBI_TaxID=9986;
RN [1]
RP SEQUENCE.
RX MEDLINE=93306986; PubMed=8319492;
RA Nishinaka T., Yasunari C., Abe A., Nanjo H., Terada T., Nishihara T.,
RA Mizoguchi T.;
RT "Comparison of purified lens glutathione S-transferase isozymes from
rabbit with other species.";
RL Curr. Eye Res. 12:333-340(1993).
RN [2];

RP SEQUENCE.
RX MEDLINE=93213177; PubMed=8460949;
RA Primiano T., Novak R.F.;
RT "Purification and characterization of class mu glutathione S-
transferase isozymes from rabbit hepatic tissue.";
RL Arch. Biochem. Biophys. 301:404-410(1993).
DR PIR; S30381; S30381.
DR HSSP; P28161; 1HNA.
SQ SEQUENCE 20 AA; 2330 MW; 7F5AC25E2250E207 CRC64;

Query Match 61.5%; Score 24; DB 6; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 11
Q9QUL9 PRELIMINARY; PRT; 20 AA.
AC Q9QUL9;
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TREMBLrel. 24, Last annotation update)
DE MU class glutathione S-transferase subunit 3 (EC 2.5.1.18) (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=96036981; PubMed=7485987;
RA Rouimi P., Debrauwer L., Tulliez J.;
RT "Electrospray ionization-mass spectrometry as a tool for
characterization of glutathione S-transferase isozymes.";
RL Anal. Biochem. 229:304-312(1995).
DR HSSP; P04905; 2GST.
DR GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ SEQUENCE 20 AA; 2363 MW; 3E4F19C689F2E4DB CRC64;

Query Match 61.5%; Score 24; DB 11; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 12
Q9QUL9 PRELIMINARY; PRT; 20 AA.
AC Q9QUL9;
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TREMBLrel. 24, Last annotation update)
DE MU class glutathione S-transferase subunit 4 (EC 2.5.1.18) (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=96036981; PubMed=7485987;
RA Rouimi P., Debrauwer L., Tulliez J.;
RT "Electrospray ionization-mass spectrometry as a tool for
characterization of glutathione S-transferase isozymes.";
RL Anal. Biochem. 229:304-312(1995).
RN [2]
RP SEQUENCE.
RX MEDLINE=95318156; PubMed=7797568;

RA Aravinda S., Gopalakrishnan B., Dey C.S., Totey S.M., Pawshe C.H.,
RA Salunke D., Kaur K., Shaha C.;
RT "A testicular protein important for fertility has glutathione S-
transferase activity and is localized extracellularly in the
seminiferous tubules.";
RL J. Biol. Chem. 270:15675-15685(1995).
DR HSSP; Q03013; 4GTU.
DR GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ SEQUENCE 20 AA; 2344 MW; 7F5423EE224A54C7 CRC64;

Query Match 61.5%; Score 24; DB 11; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 13
Q9QUL8 PRELIMINARY; PRT; 20 AA.
AC Q9QUL8;
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TREMBLrel. 24, Last annotation update)
DE MU class glutathione S-transferase subunit 6 (EC 2.5.1.18) (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=96036981; PubMed=7485987;
RA Rouimi P., Debrauwer L., Tulliez J.;
RT "Electrospray ionization-mass spectrometry as a tool for
characterization of glutathione S-transferase isozymes.";
RL Anal. Biochem. 229:304-312(1995).
DR HSSP; Q03013; 4GTU.
DR GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ SEQUENCE 20 AA; 2310 MW; 7F5AC3EE224A54C7 CRC64;

Query Match 61.5%; Score 24; DB 11; Length 20;
Best Local Similarity 100.0%; Pred. No. 3.4e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 14
Q9QV91 PRELIMINARY; PRT; 24 AA.
AC Q9QV91;
DT 01-MAY-2000 (TREMBLrel. 13, Created)
DT 01-MAY-2000 (TREMBLrel. 13, Last sequence update)
DT 01-JUN-2003 (TREMBLrel. 24, Last annotation update)
DE Glutathione S-transferase U2 subunit (EC 2.5.1.18) (Fragment).
OS Mus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Euthera; Rodentia; Sciurognathi; Muridae; Murinae; Mus.
OX NCBI_TaxID=10095;
RN [1]
RP SEQUENCE.
RX MEDLINE=93183007; PubMed=8442656;
RA Awasthi S., Singhal S.S., Srivastava S.K., Awasthi Y.C.;
RT "Purification and characterization of glutathione S-transferase of
murine ovary and testis.";
RL Arch. Biochem. Biophys. 301:143-150(1993).
DR HSSP; Q03013; 4GTU.
DR GO; GO:0004364; F:glutathione transferase activity; IEA.
SQ SEQUENCE 24 AA; 2818 MW; 5FB32A2B1F5AC3EE CRC64;

Query Match 61.5%; Score 24; DB 11; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

RESULT 15

Q9QVI9 PRELIMINARY; PRT; 24 AA.
AC Q9QVI9;
DT 01-MAY-2000 (TREMBlrel. 13, Created)
DT 01-MAY-2000 (TREMBlrel. 13, Last sequence update)
DT 01-JUN-2002 (TREMBlrel. 21, Last annotation update)
DE Glutathione S-transferase, GST (Fragment).
OS Rattus sp.
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
OC Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Rattus.
OX NCBI_TaxID=10118;
RN [1]
RP SEQUENCE.
RX MEDLINE=92002147; PubMed=1911852;
RA Singhal S.S.; Gupta S.; Saxena M.; Sharma R.; Ahmad H.; Ansari G.A.;
RA Awasthi Y.C.;
RT "Purification and characterization of glutathione S-transferases from
rat pancreas";
RL Biochim. Biophys. Acta 1079:285-292(1991).
FT NON_TER 1
FT NON_TER 24
SQ SEQUENCE 24 AA; 2768 MW; 74BA539FB7B648CC CRC64;

Query Match 61.5%; Score 24; DB 11; Length 24;
Best Local Similarity 100.0%; Pred. No. 4.1e+02;
Matches 3; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYW 3
Db 5 GYW 7

Search completed: May 7, 2004, 06:24:35
Job time : 32.32 secs

GenCore version 5.1.6
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OM protein - protein search, using sw model

Run on: May 7, 2004, 06:21:40 ; Search time 45.76 Seconds
(without alignments)
49.396 Million cell updates/sec

Title: US-10-046-922-68

Perfect score: 39

Sequence: 1 GYXXXXWX 8

Scoring table: BLOSUM62XX

Gapop 10.0 , Gapext 0.5

Searched: 1586107 seqs, 282547505 residues

Total number of hits satisfying chosen parameters: 1586107

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%
Maximum Match 100%
Listing first 45 summaries

Database : A_Geneseq_29Jan04:*
1: geneseqp1980s:*
2: geneseqp1990s:*
3: geneseqp2000s:*
4: geneseqp2001s:*
5: geneseqp2002s:*
6: geneseqp2003as:*
7: geneseqp2003bs:*
8: geneseqp2004s:*

Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Match	Length	DB	ID	Description
1	39	100.0	8	5	ABP53965	Abp53965 VEGFR-3 b
2	39	100.0	10	5	ABP53968	Abp53968 VEGFR-3 b
3	38	97.4	7	5	ABP53964	Abp53964 VEGFR-3 b
4	27	69.2	11	5	AAM52823	Aam52823 CCR5-rela
5	26	66.7	6	4	AAU06214	Aau06214 Anti-HIV
6	26	66.7	7	4	AAU06213	Aau06213 Anti-HIV
7	26	66.7	7	4	AAB68847	Aab68847 Retroviru
8	26	66.7	8	4	AAU06208	Aau06208 Anti-HIV
9	26	66.7	8	4	AAB68843	Aab68843 Retroviru
10	26	66.7	46	6	ABU57814	Abu57814 HIV envel
11	26	66.7	46	6	ABU57816	Abu57816 HIV envel
12	26	66.7	46	6	ABU57818	Abu57818 HIV envel
13	26	66.7	46	6	ABU57810	Abu57810 HIV envel
14	26	66.7	46	6	ABU57811	Abu57811 HIV envel
15	26	66.7	46	6	ABU57807	Abu57807 HIV envel
16	26	66.7	46	6	ABU57806	Abu57806 HIV envel
17	26	66.7	46	6	ABU57815	Abu57815 HIV envel
18	26	66.7	46	6	ABU57808	Abu57808 HIV envel
19	26	66.7	46	6	ABU57809	Abu57809 HIV envel
20	26	66.7	46	6	ABU57812	Abu57812 HIV envel
21	26	66.7	46	6	ABU57813	Abu57813 HIV envel
22	26	66.7	46	6	ABU57817	Abu57817 HIV envel
23	26	66.7	160	4	AAU64744	Aau64744 Propionib
24	26	66.7	160	6	ABM61263	Abm61263 Propionib
25	25	64.1	5	4	AAU06215	Aau06215 Anti-HIV

26	25	64.1	5	4	AAB68848	Aab68848 Retroviru
27	25	64.1	6	4	AAU06226	Aau06226 Anti-HIV
28	25	64.1	6	4	AAB68853	Aab68853 Retroviru
29	25	64.1	6	4	AAB68859	Aab68859 Retroviru
30	25	64.1	7	4	AAU06225	Aau06225 Anti-HIV
31	25	64.1	7	4	AAB68858	Aab68858 Retroviru
32	25	64.1	7	5	ABB98077	Abb98077 Fc effect
33	25	64.1	8	4	AAU06220	Aau06220 Anti-HIV
34	25	64.1	11	3	AAB39334	Aab39334 Human sec
35	25	64.1	16	5	ABP48113	Abp48113 Growth ho
36	25	64.1	29	3	AAB53861	Aab53861 Human col
37	25	64.1	90	2	AAW77502	Aaw77502 Staphyloc
38	25	64.1	130	4	AAG76477	Aag76477 Human col
39	25	64.1	229	3	AAB58846	Aab58846 Breast an
40	25	64.1	236	5	ABP43147	Abp43147 Human ova
41	25	64.1	476	2	AAR05599	Aar05599 BIV gag g
42	25	64.1	791	6	ABU18683	Abu18683 Protein e
43	24	61.5	5	2	AAR76079	Aar76079 MAb 55.1
44	24	61.5	5	3	AAU32257	Aay32257 Light cha
45	24	61.5	6	2	AAR80643	Aar80643 Receptor

ALIGNMENTS

RESULT 1

ABP53965

ID ABP53965 standard; peptide; 8 AA.

XX

AC ABP53965;

XX

DT 09-JAN-2003 (first entry)

XX

DE VEGFR-3 binding peptide SEQ ID NO:68.

XX

KW Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;

KW angiogenesis; lymphangiogenesis; vascular endothelial growth factor;

KW cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;

KW vulnery; cell surface receptor; cancer; neovascularisation;

KW liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;

KW diabetes; PDGF; platelet derived growth factor.

XX

OS Homo sapiens.

OS Synthetic.

XX

FH Key Location/Qualifiers

FT Misc-difference 4..6 /note= "X is any amino acid"

FT Misc-difference 8 /note= "any amino acid"

FT

XX

PN WO200257299-A2.

XX

PD 25-JUL-2002.

XX

PF 16-JAN-2002; 2002WO-IB0000099.

XX

PR 17-JAN-2001; 2001US-0262476P.

XX

PA (LUDW-) LUDWIG INST CANCER RES.

PA (LICN) LICENTIA LTD.

XX

PI Alitalo K, Koivunen E, Kubo H;

XX

DR WPI; 2002-691521/74.

XX

PT New isolated peptide that inhibits VEGF-C and VEGF-D, useful for

PT diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,

PT such as cancer and diseases of neovascularization.

XX

PS Claim 22; Page 81; 149pp; English.

XX

CC The present invention describes an isolated peptide (I) that binds to and

CC inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC antidiabetic and vulnerary activities, and can be used in gene therapy.
CC Compositions and methods from the present invention are useful for
CC diagnosing, evaluating and treating disorders mediated by the activity of
CC the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC liver, spleen, kidney, lymph node, small intestine, blood cells,
CC pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC chronic hepatitis, haemangiomas and diabetes. The present sequence
CC represents a specifically claimed VEGFR-3 binding peptide from the
CC present invention
XX
SQ Sequence 8 AA;

Query Match 100.0%; Score 39; DB 5; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWXWXXW 8
| | | | |
Db 1 GYWXWXXW 8

RESULT 2
ABP53968
ID ABP53968 standard; peptide; 10 AA.
XX
AC ABP53968;
XX
DT 09-JAN-2003 (first entry)
XX
DE VEGFR-3 binding peptide SEQ ID NO:73.
XX
KW Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW vulnerary; cell surface receptor; cancer; neovascularisation;
KW liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW diabetes; PDGF; platelet derived growth factor.
XX
OS Homo sapiens.
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 5..7 /note= "X is any amino acid"
FT
FT Misc-difference 9 /note= "X is any amino acid"
FT
FT
XX WO200257299-A2.
PN
XX
PD 25-JUL-2002.
XX
PF 16-JAN-2002; 2002WO-IB000099.
XX
PR 17-JAN-2001; 2001US-0262476P.
XX
PA (LUDW-) LUDWIG INST CANCER RES.
PA (LICN) LICENTIA LTD.
XX
PI Alitalo K, Koivunen E, Kubo H;
XX
DR WPI; 2002-691521/74.
XX
PT New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT such as cancer and diseases of neovascularization.
XX
PS Disclosure; Page 147; 149pp; English.
XX
CC The present invention describes an isolated peptide (I) that binds to and

CC inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC have cytostatic, hepatotropic, antiinflammatory, hypotensive,
CC antidiabetic and vulnerary activities, and can be used in gene therapy.
CC Compositions and methods from the present invention are useful for
CC diagnosing, evaluating and treating disorders mediated by the activity of
CC the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
CC liver, spleen, kidney, lymph node, small intestine, blood cells,
CC pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
CC skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
CC neovascularisation, e.g. liver diseases, hypertension, post-trauma,
CC chronic hepatitis, haemangiomas and diabetes. The present sequence
CC represents a VEGFR-3 binding peptide, which is given in the
CC exemplification of the present invention
XX
SQ Sequence 10 AA;

Query Match 100.0%; Score 39; DB 5; Length 10;
Best Local Similarity 100.0%; Pred. No. 0.34;
Matches 8; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 GYWXWXXW 8
| | | | |
Db 2 GYWXWXXW 9

RESULT 3
ABP53964
ID ABP53964 standard; peptide; 7 AA.
XX
AC ABP53964;
XX
DT 09-JAN-2003 (first entry)
XX
DE VEGFR-3 binding peptide SEQ ID NO:67.
XX
KW Vascular endothelial growth factor receptor 3 inhibitor; VEGFR-3;
KW angiogenesis; lymphangiogenesis; vascular endothelial growth factor;
KW cytostatic; hepatotropic; antiinflammatory; hypotensive; antidiabetic;
KW vulnerary; cell surface receptor; cancer; neovascularisation;
KW liver disease; hypertension; post-trauma; chronic hepatitis; haemangioma;
KW diabetes; PDGF; platelet derived growth factor.
XX
OS Homo sapiens.
OS Synthetic.
XX
FH Key Location/Qualifiers
FT Misc-difference 4..6 /note= "X is any amino acid"
FT
FT
XX WO200257299-A2.
PN
XX
PD 25-JUL-2002.
XX
PF 16-JAN-2002; 2002WO-IB000099.
XX
PR 17-JAN-2001; 2001US-0262476P.
XX
PA (LUDW-) LUDWIG INST CANCER RES.
PA (LICN) LICENTIA LTD.
XX
PI Alitalo K, Koivunen E, Kubo H;
XX
DR WPI; 2002-691521/74.
XX
PT New isolated peptide that inhibits VEGF-C and VEGF-D, useful for
PT diagnosing, evaluating, treating disorders mediated by VEGFR-3 activity,
PT such as cancer and diseases of neovascularization.
XX
PS Claim 21; Page 81; 149pp; English.
XX
CC The present invention describes an isolated peptide (I) that binds to and
CC inhibits vascular endothelial growth factor receptor 3 (VEGFR-3). (I)
CC have cytostatic, hepatotropic, antiinflammatory, hypotensive,

CC antidiabetic and vulnerary activities, and can be used in gene therapy.
 CC Compositions and methods from the present invention are useful for
 CC diagnosing, evaluating and treating disorders mediated by the activity of
 CC the cell surface receptor VEGFR-3 such as cancer, e.g. brain, lung,
 CC liver, spleen, kidney, lymph node, small intestine, blood cells,
 CC pancreas, colon, stomach, breast, endometrium, prostate, testicle, ovary,
 CC skin, head and neck, oesophagus, bone, marrow or blood, and diseases of
 CC neovascularisation, e.g. liver diseases, hypertension, post-trauma,
 CC chronic hepatitis, haemangiomas and diabetes. The present sequence
 CC represents a specifically claimed VEGFR-3 binding peptide from the
 CC present invention

XX
 SQ Sequence 7 AA;
 Query Match 97.4%; Score 38; DB 5; Length 7;
 Best Local Similarity 100.0%; Pred. No. 1.4e+06;
 Matches 7; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GYWXW 7
 Db 1 GYWXW 7

RESULT 4
 AAM52823
 ID AAM52823 standard; peptide; 11 AA.
 XX
 AC AAM52823;
 XX
 DT 22-FEB-2002 (first entry)
 XX
 DE CCR5-related peptide library CPI-10042.

XX CCR5; CC chemokine receptor 5; human; HIV infection;
 KW human immunodeficiency virus; AIDS; acquired immunodeficiency syndrome;
 KW drug screening; identification; peptide library.
 XX Synthetic.

OS
 FH Key Location/Qualifiers
 FT Misc-difference 1 /note= "Any amino acid"
 FT Misc-difference 2 /note= "Any amino acid"
 FT Misc-difference 3 /note= "Any amino acid"
 FT Misc-difference 9 /note= "Any amino acid"
 FT Misc-difference 10 /note= "Any amino acid"
 FT Misc-difference 11 /note= "Any amino acid"
 FT Misc-difference 11 /note= "Any amino acid; C-terminal amide"

XX WO200171346-A2.
 PN
 XX 27-SEP-2001.
 XX
 PF 21-MAR-2001; 2001WO-US009155.
 XX
 PR 21-MAR-2000; 2000US-0190946P.
 PR 21-MAR-2000; 2000US-0190996P.
 PR 21-MAR-2000; 2000US-0191299P.
 PR 20-MAR-2001; 2001US-00813448.
 PR 20-MAR-2001; 2001US-00813651.
 PR 20-MAR-2001; 2001US-00813653.

XX (CONS-) CONSENSUS PHARM INC.
 XX Nestor JJ, Wilson CJ, See RH, Tan Hehir CA;
 PI WPI; 2002-010610/01.
 XX Identifying CC chemokine receptor 5 binding compound for treating AIDS,

PT comprises binding a molecule from library to a molecule having binding
 PT property corresponding to CCR5 and identifying bound molecule.
 XX
 PS Example 3; Page 27; 50pp; English.
 XX
 CC The invention relates to a method for identifying a binding compound for
 CC chemokine receptor 5 (CCR5). The method involves screening a library
 CC of test molecules (particularly peptides) with immobilised CCR5, and then
 CC identifying those molecules which bind. The invention also relates to
 CC CCR5-binding molecules identified using the method of the invention, a
 CC methods for identifying consensus motifs for CCR5-binding peptides, a
 CC transfer vector encoding tagged CCR5, a computer-aided methods for
 CC determining the relative binding affinity of a test molecule to CCR5 and
 CC a computer aided drug screening assay that utilises the three-dimensional
 CC structure of CCR5. Compounds identified using the methods of the
 CC invention are useful for treating or preventing HIV (human
 CC immunodeficiency virus) infection or AIDS (acquired immunodeficiency
 CC syndrome) in a patient. The methods of the invention may also be used to
 CC identify agonists or antagonists of the interaction of CCR5 with its
 CC natural ligand, and to determine a binding motif for CCR5. Sequences
 CC AAM52819-AAM52825 represent peptide libraries used in an exemplification
 CC of the invention

XX
 SQ Sequence 11 AA;
 Query Match 69.2%; Score 27; DB 5; Length 11;
 Best Local Similarity 100.0%; Pred. No. 79;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 1 GYWXW 6
 Db 6 GYWXW 11

RESULT 5
 AAU06214
 ID AAU06214 standard; peptide; 6 AA.

XX
 AC AAU06214;
 XX
 DT 24-OCT-2001 (first entry)
 XX
 DE Anti-HIV enhancer peptide, generic peptide #12.

XX HIV infection; simian immunodeficiency virus; T20; T1249; AIDS;
 KW Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
 KW Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
 KW hydrogel; enhancer peptide.

XX Synthetic.
 OS
 XX
 FH Key Location/Qualifiers
 FT Misc-difference 2.4 /label= OTHER
 FT /note= "Other= any amino acid"
 FT Misc-difference 6 /label= OTHER
 FT /note= "Other= any amino acid"

XX WO200137896-A2.
 PN
 XX 31-MAY-2001.
 PD
 XX 05-JUL-2000; 2000WO-US035724.
 PF
 XX 09-JUL-1999; 99US-00350325.
 PR
 XX (TRIM-) TRIMERIS INC.
 PA
 XX Ding S, Kang M, Venetta TM;
 PI WPI; 2001-488470/53.

PT Composition for sustained delivery of e.g. a polypeptide including T20 or
 PT T1249 comprises a polymer which forms a hydrogel at physiological
 PT temperature and is useful for treating HIV infections.

XX Disclosure; Page 13; 37pp; English.

XX The invention relates to a composition comprising a polymer that forms a
 CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
 CC derivative. Administration of the composition is designed for sustained
 CC release of a peptide, especially T20 or T1249 in the treatment of HIV
 CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
 CC (simian immunodeficiency virus) infection. The compositions are liquid at
 CC room temperature and can be administered easily but form hydrogels at
 CC physiological temperature. This allows the polypeptide to be released
 CC with improved pharmacokinetic properties and bioavailability with
 CC increased half-life and reduced clearance rates. The present sequence is
 CC a generic enhancer peptide sequence which may be used in a fusion peptide
 CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
 CC properties of the resultant hybrid peptide

XX Sequence 6 AA;

Query Match 66.7%; Score 26; DB 4; Length 6;
 Best Local Similarity 100.0%; Pred. No. 1.4e+06;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXWX 8
 Db 1 WXXXWX 6

RESULT 6

AAU06213
 ID AAU06213 standard; peptide; 7 AA.

XX AC AAU06213;

XX DT 24-OCT-2001 (first entry)

XX DE Anti-HIV enhancer peptide, generic peptide #11.

XX KW HIV infection; simian immunodeficiency virus; T20; T1249; AIDS;
 KW Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
 KW Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
 KW hydrogel; enhancer peptide.

XX OS Synthetic.

XX FH Key Location/Qualifiers

FT Misc-difference 2.4
 FT /label= OTHER
 FT /note= "Other= any amino acid"

FT Misc-difference 6
 FT /label= OTHER
 FT /note= "Other= any amino acid"

XX PN WO200137896-A2.

XX PD 31-MAY-2001.

XX PF 05-JUL-2000; 2000WO-US035724.

XX PR 09-JUL-1999; 99US-00350325.

XX PA (TRIM-) TRIMERIS INC.

XX PI Ding S, Kang M, Venetta TM;

XX DR WPI; 2001-488470/53.

XX Composition for sustained delivery of e.g. a polypeptide including T20 or
 PT T1249 comprises a polymer which forms a hydrogel at physiological
 PT temperature and is useful for treating HIV infections.

XX PS

Disclosure; Page 13; 37pp; English.

XX The invention relates to a composition comprising a polymer that forms a
 CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
 CC derivative. Administration of the composition is designed for sustained
 CC release of a peptide, especially T20 or T1249 in the treatment of HIV
 CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
 CC (simian immunodeficiency virus) infection. The compositions are liquid at
 CC room temperature and can be administered easily but form hydrogels at
 CC physiological temperature. This allows the polypeptide to be released
 CC with improved pharmacokinetic properties and bioavailability with
 CC increased half-life and reduced clearance rates. The present sequence is
 CC a generic enhancer peptide sequence which may be used in a fusion peptide
 CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
 CC properties of the resultant hybrid peptide

XX Sequence 7 AA;

Query Match 66.7%; Score 26; DB 4; Length 7;
 Best Local Similarity 100.0%; Pred. No. 1.4e+06;
 Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 3 WXXXWX 8
 Db 1 WXXXWX 6

RESULT 7

AAB68847
 ID AAB68847 standard; peptide; 7 AA.

XX AC AAB68847;

XX DT 11-SEP-2003 (revised)

XX DT 06-AUG-2003 (revised)

XX DT 19-APR-2001 (first entry)

XX DE Retrovirus gp 41 envelope protein enhancer consensus sequence #11.

XX KW Retrovirus; gp 41; envelope protein; enhancer; antiviral; anti-HIV;
 KW virucide; hepatotropic; antiinflammatory; hybrid polypeptide;
 KW coiled-coil peptide interaction; fusion-related disorder;
 KW bacterial infection; viral infection.

XX OS unidentified retrovirus.

XX OS Unidentified.

XX PN WO200103723-A1.

XX PD 18-JAN-2001.

XX PF 10-JUL-2000; 2000WO-US018772.

XX PR 09-JUL-1999; 99US-00350641.

XX PA (TRIM-) TRIMERIS INC.

XX PI Barney S, Guthrie KI, Merutka G, Anwer MK, Lambert DM;

XX DR WPI; 2001-147136/15.

XX New hybrid polypeptide, useful for preventing, treating and diagnosing
 PT e.g. viral infections, comprises an enhancer peptide linked to a core
 PT polypeptide.

XX Claim 2; Page 116; 151pp; English.

XX The present sequence is the consensus sequence of enhancer peptides which
 CC may be linked to a core polypeptide to form a novel hybrid polypeptide.
 CC The hybrid polypeptide exhibits enhanced pharmacokinetic properties
 CC relative to those exhibited by the core polypeptide when introduced into
 CC a living system. It is used to increase the in vitro or ex vivo half-life

CC of the core polypeptide. The hybrid and core polypeptides can be used for
CC modulating fusogenic events and intracellular processes involving coiled-
CC coil peptide interactions. Other uses include preventing, treating and/or
CC diagnosing disorders involving fusion events (e.g. modulation of
CC neurotransmitter exchange and sperm-egg fusion), intracellular processes
CC involving coiled-coil peptides (e.g. bacterial infections) and viral
CC infections that involve cell-cell and/or virus-cell fusion (e.g. viral
CC infections caused by human immunodeficiency virus, respiratory syncytial
CC virus, Epstein-Barr virus, hepatitis B virus, Mason-Pfizer virus and
CC polio virus). The enhancer peptide sequence increases the half-life and
CC reduces the clearance rate of therapeutic peptides, which increases their
CC efficacy and minimises the incidence and severity of adverse side
CC effects. In addition, this increases the sensitivity of the diagnostic
CC procedure in which they are used. (Updated on 06-AUG-2003 to correct OS
CC field.) (Updated on 11-SEP-2003 to standardise OS field)

XX
SQ Sequence 7 AA;

Query Match 66.7%; Score 26; DB 4; Length 7;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 WXXXWX 8
Db 1 WXXXWX 6

RESULT 8
AAU06208
ID AAU06208 standard; peptide; 8 AA.

XX AC AAU06208;

DT 24-OCT-2001 (first entry)

XX DE Anti-HIV enhancer peptide, generic peptide #6.

KW Hiv infection; simian immunodeficiency virus; T20; T1249; AIDS;
KW Acquired immunodeficiency syndrome; SIV infection; Anti-HIV; virucide;
KW Cytokine; reverse transcriptase inhibitor; viral mRNA capping inhibitor;
KW hydrogel; enhancer peptide.

XX OS Synthetic.

FH Key Location/Qualifiers
FT Misc-difference 2. .4
FT /label= OTHER
FT /note= "Other= any amino acid"
FT Misc-difference 6
FT /label= OTHER
FT /note= "Other= any amino acid"
FT Misc-difference 8
FT /label= OTHER
FT /note= "Other= any amino acid"

XX PN WO200137896-A2.

XX PD 31-MAY-2001.

XX PF 05-JUL-2000; 2000WO-US035724.

XX PR 09-JUL-1999; 99US-00350325.

XX PA (TRIM-) TRIMERIS INC.

XX PI Ding S, Kang M, Venetta TM;

XX DR WPI; 2001-488470/53.

XX Composition for sustained delivery of e.g. a polypeptide including T20 or
PT T1249 comprises a polymer which forms a hydrogel at physiological
PT temperature and is useful for treating HIV infections.

XX

PS Disclosure; Page 12; 37pp; English.

XX The invention relates to a composition comprising a polymer that forms a
CC hydrogel at physiological temperature and a T20 or T1249 polypeptide
CC derivative. Administration of the composition is designed for sustained
CC release of a peptide, especially T20 or T1249 in the treatment of HIV
CC (human immunodeficiency virus) infections and, in the case of T1249, SIV
CC (simian immunodeficiency virus) infection. The compositions are liquid at
CC room temperature and can be administered easily but form hydrogels at
CC physiological temperature. This allows the polypeptide to be released
CC with improved pharmacokinetic properties and bioavailability with
CC increased half-life and reduced clearance rates. The present sequence is
CC a generic enhancer peptide sequence which may be used in a fusion peptide
CC (in either orientation) with T20 or T1249 to enhance the pharmacokinetic
CC properties of the resultant hybrid peptide

XX Sequence 8 AA;

Query Match 66.7%; Score 26; DB 4; Length 8;
Best Local Similarity 100.0%; Pred. No. 1.4e+06;
Matches 6; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

OY 3 WXXXWX 8
Db 1 WXXXWX 6

RESULT 9
AAB68843
ID AAB68843 standard; peptide; 8 AA.

XX AC AAB68843;

DT 11-SEP-2003 (revised)

DT 06-AUG-2003 (revised)

DT 19-APR-2001 (first entry)

XX DE Retrovirus gp 41 envelope protein enhancer consensus sequence #6.

KW Retrovirus; gp 41; envelope protein; enhancer; antiviral; anti-HIV;
KW virucide; hepatotropic; antiinflammatory; hybrid polypeptide;
KW coiled-coil peptide interaction; fusion-related disorder;
KW bacterial infection; viral infection.

XX OS unidentified retrovirus.
XX Unidentified.

XX PN WO200103723-A1.

XX PD 18-JAN-2001.

XX PF 10-JUL-2000; 2000WO-US018772.

XX PR 09-JUL-1999; 99US-00350641.

XX PA (TRIM-) TRIMERIS INC.

XX PI Barney S, Guthrie KI, Merutka G, Anwer MK, Lambert DM;

XX DR WPI; 2001-147136/15.

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PT e.g. viral infections, comprises an enhancer peptide linked to a core
PT polypeptide.

XX Claim 2; Page 116; 151pp; English.

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CC may be linked to a core polypeptide to form a novel hybrid polypeptide.
CC The hybrid polypeptide exhibits enhanced pharmacokinetic properties
CC relative to those exhibited by the core polypeptide when introduced into
CC a living system. It is used to increase the in vitro or ex vivo half-life
CC of the core polypeptide. The hybrid and core polypeptides can be used for